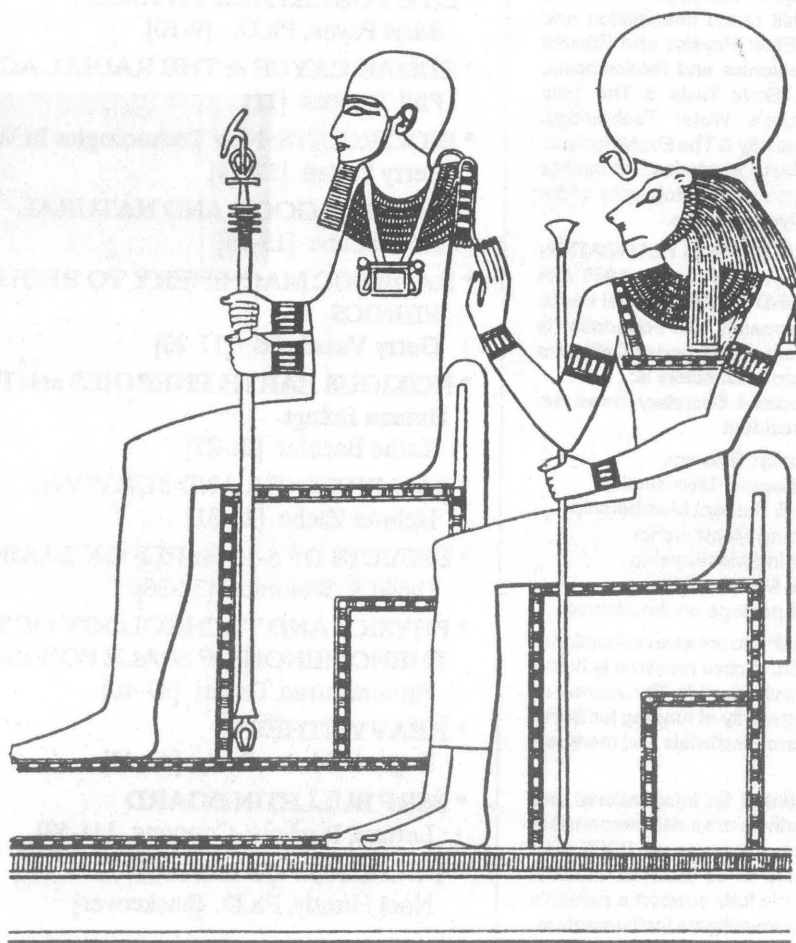


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THE IRON ROD OF MARS

Alison Davidson

"Mars is the god that makes the iron grow."

Gone is the gleaming golden age, gone are the days of silver and copper ruled by the gentle muse of poetry and art. Now we live in the Age of Iron, and the ruler here is Mars, the fiery god of war and the lusty lover of Venus.

From the earliest crude wood-fuelled cast iron forges to the vast steel mills of South Chicago we have industrialized the planet, creating a technological labyrinth of iron and steel. Without iron there would be no factories (no plastic, no computers), no transport, no communications, war or industry as we know them. Without iron our civilization would totally disintegrate, so dependent we have become upon this humble metal.

Undoubtedly tremendous technological benefits have been brought to the human race, but the cost of man's use and abuse of iron is becoming rapidly apparent; with iron man has constructed weapons to destroy not only whole races of people and animals but also Nature, the mother of all of us. The energies of Mars have come to dominate our society and our daily lives.

Ever since humans first learned to forge iron it was put to the purpose of war. Early Egyptian mythology describes the god Horus subduing the enemies of Ra with spears and chains of iron, and in later Roman times the spears of Mars were kept in the king's house and the god himself was believed to reside in them and was invoked for battle. By the Middle Ages, swords of Damascus and Toledo had become famous weapons -- but it was the invention of guns, and other more deadly weapons that changed the nature of war forever.

Although a humble metal, iron wields an unsuspected power that man in trying to harness has instead been enslaved by it. Although we can't easily escape these iron chains which have been forged around us, we can at least learn to understand something of this metal's deeper nature.

THAT UBIQUITOUS METAL

"Iron occupies the center of the stage. It cannot be overlooked or undervalued." Wilhelm Pelikan

Iron is present everywhere, all around us and inside our bodies, in the earth, in the atmosphere as meteoric dust, and being largely soluble in its salts it is dissolved in springs and streams to be carried out to the ocean. Of all the metals, iron is the most abundant, forming with its oxides and a great variety of other ores, up to 5% of the earth's crust, but pure iron is rarely found. Instead it combines with other elements to form ores such as magnetite, hematite, chalcite and siderite which contain over 50% iron, with the greatest deposits forming an iron 'belt' or 'girdle' around the temperate northern half of the northern hemisphere. So it is in North America, England, France, Germany and Northern

China where most iron ore is mined, with the largest mines located in the USSR. Some iron is also mined in southern latitudes, such as the north of New Zealand where Japanese miners suck tons of black iron sand from the western beaches, hot as a tin roof underfoot in summer.

Other combinations with iron include sulphur as pyrite, found at a great depth in the oldest rocks on the planet, testifying to iron's involvement in extremely ancient earth processes. And with oxygen iron forms the ore magnetite which, as its name suggests, is magnetic, and forms whole mountains in the far north, in Norway, Sweden and the Urals. This affinity with oxygen is a vital part of iron's nature and function, for iron freely takes oxygen into itself and just as freely gives it back out. As ferric oxide, iron is trivalent and rich in oxygen; as ferrous oxide it is bivalent and low in oxygen and forms the characteristic red rust.

This red rust reminds us of the Red Planet, Mars the ancient planet which has been linked in strange ways to our own, and where civilizations older than we can imagine are said to have once flourished but now are red dust; where exists "...the presence of enormous quantities of ferrous iron oxide, hematite, on the Martian surface, giving it its red color. Ferrous iron, rather than black ferric iron, is found only where large quantities of free oxygen are present...or were present."¹

Iron also has a very close relationship with carbon, readily combining with and transforming this 'earth substance' to form a harder, stronger metal. Curiously, the iron girdle or 'breastplate' through the northern continents is flanked by another ring of coal deposits, the carbon so necessary for man's forging of iron. While pure iron is soft and malleable, it hungrily absorbs carbon to form the hard, but brittle cast iron, as the earliest forgers discovered with their clay furnaces into which they dropped the ore with pieces of charcoal. In England, by the 15th century, this method was improved with a greatly increased air supply leading to the construction of powerful blast furnaces belching the first industrial smoke into the skies of Europe. In 1856, an Englishman discovered by adding just the right proportion of carbon, how to make steel, the intermediary stage between the soft, malleable iron and the brittle cast iron.

THE 'BROTHERS OF IRON'

Other metals with a special affinity with iron, and which Rudolf Haushka describes as 'the brothers of iron' are cobalt, nickel, chromium, manganese, tungsten, vanadium and platinum. They are all found with iron ore, form carbides, and share practically the same qualities of resonance and lustre, while displaying a similar low level of conductivity of heat and

electricity. Yet each displays certain qualities unique to itself and other forms of elemental energy which folklore describes in terms of nature spirits.

For example, the name cobalt is derived from the 'kob-olds' or gnomes who work deep down in the metallic earth veins tormenting miners or helping at their whim. Although sharing iron's reaction to magnetism and forming carbides like iron, cobalt is described as an 'earthier form of iron than iron itself', its salts and ores 'tinged with a dark and melancholy shade of blue-violet.' Nickel is the 'watery brother' of iron, its name derived from the 'nixies', the undines or water spirits, and this metal does shine with a watery lustre more in keeping with copper with its salts showing the deep green of the sea. Yet its carbides are tough and resilient and are used for example, in the manufacture of gun barrels. Manganese is said to have the fiery quality of iron with red to flaming violet coloured salts. It makes a very hard steel, and tungsten and vanadium when alloyed with iron produce a steel almost as hard as diamond -- an essential component in steel working tools.

Chromium is well known as a plating to protect other metals, and is also used in tanning and as a valuable mordant in dyeing wool and silk. Platinum, like nickel, is non-corrosive and is described by Haushka as being the 'most dead' of the iron related metals. Its value, apart from its use in expensive jewellery where it is called 'white gold', is that of a crucial catalyst in industry. Being 'dead' itself it remains unchanged while initiating or speeding up chemical reactions.

THE METEORIC IRON SPIRAL

As mentioned before, there is a large variety of iron ores and they all show a great diversity in their crystalline formation, but two distinct patterns stand out above the others; a radial tendency seen in marcasite, and a spherical arrangement seen for instance, in the ore hematite. When these two dynamics, the radial and the spherical combine we see an obvious spiral pattern emerging, which shows up in the ore siderite. (see fig 1)

"The spiral tendency always arises when time enters space and develops towards a centre," Haushka writes in his illuminating book *The Nature of Substance*. "The fact that this dynamic shows up so clearly in iron ores points to the fundamental role played by the iron process, for it transforms spherical forces quite unrelated to the laws of earth into radial forces working towards a centre. One can say that the function of iron is to help cosmic, weightless elements to enter the sphere of gravity."²

These cosmic elements include vast quantities of pure meteoric iron dust which shower onto the earth continuously, an estimated several millions of tons a year. Some of this invisible iron naturally precipitates in snow giving rise to

the saying that "snow is the poor man's fertilizer." Most frequent in the autumn, these meteoric showers are said to radiate from the constellation of Scorpio, the astrological sign which is coincidentally ruled by Mars.

Haushka goes on to say: "Iron is the only substance which makes visible in an archetypal picture the incarnating force during its spiral descent, for the path followed by meteors is indeed a spiral, the result of interacting radial and spherical forces."

George Washington (not the president) in *The Zodiac and the Salts of Salvation*, also refers to this process when he describes the 'watery ether above' filled with the smallest particles of iron, without which "there would be no means whereby ether could penetrate either into man's body or the body of the earth."³

THE "BREATHER OF THE METALS"

As a miniature replica of the earth and the cosmos above,

we find iron playing a major role in the microcosm of the human body, permeating the bloodstream and oxygenating the blood. Rhythmically with every breath, we take oxygen from the air into our lungs where it chemically combines with the iron or Ferrum Phos. to give us our red blood. From the lungs via the heart where all the blood in the body passes every three minutes or so, oxygen is carried throughout the system. "The amount of oxy-

gen we are able to absorb into our bodies from the air we breathe depends entirely upon the amount of iron present in the blood to combine with it and carry it to every extremity of the body."⁴

As we breathe, the presence of iron permeates our system with the energy and rhythm of Mars, giving us life and reflecting the wider, measured orbit of this planet which swings with its own eccentric rhythm close to and then widely away from Earth.

Just as the smith works externally on the forging iron, so internally our bodies are a kind of furnace with our lungs as the bellows and the iron kindling the fire of chemical reaction with oxygen, renewing the cells and giving the energy for life. But plants too are equally dependent upon iron where it acts as a catalyst for chlorophyll formation. Although iron directly enters the haemoglobin in the blood, it does not enter into the chlorophyll, rather it is manganese (one of iron's 'brothers') which enters the chlorophyll. Pelikan observes that "chlorophyll and haemoglobin are so completely attuned to each other that they maintain the air in perfect equilibrium between oxygen and carbon dioxide (whatever the plant takes from the air is given back by the animal, and vice versa), and that the two breathing substances are so similarly constructed."⁵

Whereas water creatures that breathe with copper tend

*Although a humble metal,
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enslaved by it.*

to be almost amorphous in shape, the red-blooded breathers of iron display a far more highly defined form and will for individualized action.

THE IRON REMEDY

When we are deficient in iron the blood is anemic and pale, the Mars will and energy is lacking and there is a general sense of being ungrounded and unable to act with decisiveness. When there is insufficient iron in the blood the circulation is increased to take enough oxygen to all parts of the body, and this increased motion causes friction, which in turn results in heat. In the body this manifests as fever, or inflammation.

So homeopathically Ferrum Phos. is indicated for these symptoms of heating, for hemorrhages and injuries, congestion, depression, lung problems, in fact, all sickness calls for increased oxygen (and therefore iron) to detoxify the system. I have found it to be very effective taken in the first stages of colds and febrile illnesses.

When cast iron pans were used for cooking, a deficiency of iron was relatively rarer than it is today with steel and aluminum (poison!) cookware. But the level of iron in the body can be boosted with green leafy vegetables and herbs, vervain and particularly stinging nettle which has a remarkably high iron content. It was once widely used as a spring tonic after cooking neutralized the poison in the young green leaves. Natural scientist Lilly Kolisko shared Rudolf Steiner's enthusiasm for this plant in agriculture, writing: "The stinging nettle regulates the iron household in nature," when there is too much iron in the soil nettles can be planted to attract the superfluous iron away from the other plants. Kolisko also discovered that nettles help to regulate the nitrogen in compost heaps when added in homeopathic doses.⁶

Overall, iron is a great rejuvenator carrying vital forces throughout the etheric and physical organism, but when the iron forces predominate they tend to rigidify and become instead anathema to life itself. A fine example of these two expressions of the Mars-iron nature is the oak, a tree revered as a symbol for strength and generative power by the Celtic Druids and many other native people; but the oak is also harvested for its bark which has long been used in the tanning of leather, a type of mummifying process.

Haushka writes "...the Mars impulses at work in iron are the carriers of the forces of embodiment," but, "these forces lead to mummification if they become too active and overwhelm the system."

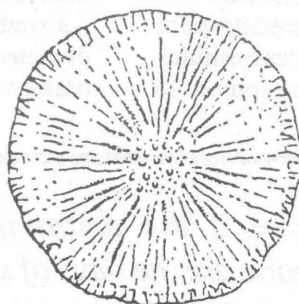
By taking this a step further we can see how the over-predominance of iron (particularly in its hard steel form) in this machine age has led to a rationalistic, mechanical way of looking at the world, inducing a kind of mental rigidity where the creative thought processes are indeed mummified; where the virtues of industrialization are glorified at the expense of Nature. One example is the tanning industry itself which resulted in whole forests of tan-oak being stripped in north-west California, beginning a slow drying of the region and a gradual transformation into desert-like conditions. Here we may marvel at the wisdom of the Druids who foreseeing its consequences forbade the use of iron.

These two qualities of iron, the incarnating and 'fixing' qualities are also evident in the Egyptian deity Ptah who, although one of the most important creator gods and chief patron of all metal and stone-workers, is curiously depicted bound as a mummy with only his hands free to work at his creations. Mummified, he represents the vital fire of spirit incarcerated in matter; he "materializes the metaphysical principles" of creation and is found "in every heartbeat and every sound." As smelter, caster and sculptor, Ptah created the great rectangular iron plate which formed the floor of heaven, upheld by four pillars which marked the cardinal points and the four directions of space. These are the cross of the four elements in the old sign for Mars surmounting the circle of the Sun ♂ a mirror image of the sign for Venus. But while Venus is rising from the sea, alchemically Mars-iron describes, like Ptah, the spirit descending into the corporeal, or the Sun sinking beneath the cross to be hidden in the darkness of the earth.

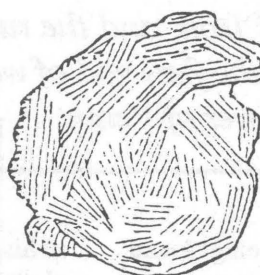
This descent of the Mars force is even evident in the experiments of Lilly Kolisko where she describes the characteristic pictures formed by Iron Sulphate as it crystallizes on filter paper. In *Spirit In Matter* she writes: "They look similar to fingers pointing downward, sometimes like a closed fist,

with one pointing finger. A strange, but often noticeable phenomenon is a minute deposit of Iron salt at the end of the finger-like form, adding to the impression of a finger with a nail."

Where Ptah incarnates the sacred fire of life, the god Set who rules the metal iron, fixes this living fire into the flesh, binding the soul to the body with the heavy forces of earth. In very ancient times Set, as the son of the primordial goddess, was regarded as a friend of the dead, helping them to climb the ladder reaching to the iron floor of heaven. However, in later times he was vilified and cast out to rule the barren scorching



Marcasite



Siderite



Hematite

fig 1

deserts so reminiscent of iron's planet Mars; condemned to an eternal struggle against his twin the sun-god Horus. Here we see the rhythmic processes of iron reflected in this war between Set and his opponent as they oscillate between life and death, light and darkness, liberator or soulbinder.

Richard Hoagland, who wrote the remarkable book about that enigmatic Face and pyramidal city on Mars photographed by NASA on the Viking expedition, contemplates the possibility of a cultural legacy inherited thousands of years ago from the inhabitants of the Red Planet and recorded in the construction of the Egyptian pyramids. Although 'straight' science immediately denied the existence of the apparently human Face, the Martian Mysteries continue. The Soviet Mars probe Phobos 2 has also been reported to have transmitted pictures of a huge city-like structure. Dr. John Becklake of the London Science museum commented:

"The city-like pattern is particularly fascinating. It's 60km wide and could easily be mistaken for an aerial view of Los Angeles. The criss-crossing lines on the film frame are about 4km wide. And they show up on infra-red which means they're emitting heat. That's very puzzling indeed considering that Mars has an extremely cold carbon dioxide atmosphere."⁷

Hoagland's observation mentioned earlier on the red ferrous oxide on Mars being "found only where large quantities of free oxygen are present...or were present" certainly points to the possibility of life having existed once on Mars. Perhaps not so long ago, as Tom Brown investigated in this Journal back in 1986, giving among other evidence, photos published in the National Geographic magazine in 1955 that show distinct green areas on the red planet. The article states that: "By 1954 the new green area covered some 200,000 square miles." What happened to the green areas? As Tom asks: "Did the planet change or did the method of reporting to the public change?" (Or both?)

Haushka takes our connection with Mars even further back in time when he writes: "We came to know the Mars process as the force that makes incarnating possible. Thus there must always have been a stronger than usual bond between earth and Mars, even before the earth became a solid body."

OCCULT IRON AND THE MYSTERIES OF BLOOD

Astrologically, the planet Mars and the energy of iron rules the two zodiac signs of Aries and Scorpio, expressing the qualities of dynamic energy, courage and sexual drive. The desire nature is powerful if Mars is rising or strongly aspected in the horoscope. On its lowest level this is the Rambo syndrome, "a feed, a fuck and a fight" mentality so prevalent on today's television, where the powerful sexual energy of

Mars is subverted into the phallic substitutes of bigger and more deadly guns blasting a trail of carnage across the screen. To be sure Mars thrives on challenge and power, but the greatest challenge is the power and discipline over self, and on its highest level the expression of Mars is a powerful uncompromising creativity. Then Mars, like Ptah, "represents the emergence of new forms of self-expression through the interplay of Spirit and matter." The symbol of Aries ♈ with its spiralling rams horns, also described as a fountain, is an apt description of the "tremendous outpouring of life force inherent in the first sign" -- a symbol also perfectly expressing the spiralling descent of meteoric iron as it showers to earth, carrying from the cosmos the forces of life.

Appropriately Mars rules the red blood corpuscles, the male sexual organs (as Venus rules the female), the nose, muscles and excretory tract. Its energy is found in occupations dealing with sharp tools and weapons, soldiering, surgery, butchery, some forms of research, and any job where fearlessness and an iron discipline is necessary.

In the Jewish system of knowledge known as the Qabala, the sphere of Mars on the Tree of Life is also represented by images of war; a mighty warrior

in his chariot; the symbols of a sword, spear, scourge and chain (and curiously, the five-petalled rose, a symbol of the feminine). This fifth sphere is called Geburah, meaning Strength or Severity, and here the highly dynamic and fiery Mars-iron force is focussed to bring the virtues of energy and courage, or the vices of cruelty and destruction. In Geburah is found the sacrificial priest, the pruner, the katabolic force which breaks down old forms and destroys them to release their energy.

This can be identified with the Egyptian *sekhmet*, "the pitiless force that wills the destruction of one form for the conception of another," personified by the red lion-headed goddess Sekmet, the consort of the iron Ptah and the power behind his creations. Her name is the root of the Hindu *shakti*, the female creative energy typified by the mother goddess Kali. She is honoured with red wine, blood and ritual sex -- blood the vehicle of the Mars-iron energy both biologically and magically.

Blood gives power to the sacred spears of Mars and Horus; iron is ruled by the African deity Ogun and is used in his rites of blood. There are more wars, more blood spilt on the earth now in our 'civilized' times than ever before as Mars demands his sacrifice for man's use of the sacred iron. The destruction of Nature, the pollution of our world, it can all be linked to man's abuse of this humble metal we have taken for granted for too long.

Gone is the gleaming golden age, gone are the days of silver and copper ruled by the gentle muse of poetry and art. Now we live in the Age of Iron, and the ruler here is Mars, the fiery god of war and the lusty lover of Venus.

The deeper nature of iron has been forgotten, hidden like the alchemical sun in the dark womb of the earth but still contained in the name for iron, the Latin *ferrum* derived from the root of the verb *fero*, meaning "to create, to form, to bear..."

It has been forgotten that Mars was originally associated with agriculture rather than war, as a 'dweller in the woodland' who protected the crops and herds from thieves and wild animals. Even earlier, the rites of blood associated with Mars referred not to the blood of war but to the female blood of sexuality. Tuesday, or Mars-day, is sacred to Kali the goddess of Time and Blood; it was on Tuesday according to a Jewish tradition that Eve began menstruating. As occultist Kenneth Grant explains, female blood was "the earliest type of Mars as the mystical energy of the goddess," before the feminine mysteries of blood were superceded by the solar-male cults.⁹ It was the first blood sacrifice, the first sacrament of life. The violent heat and energy of Mars "denoted feminine power at its height," expressed so vividly by the rapacious lioness Sekmet whose thirst is quenched by the blood of the wicked, or the bloodied Kali dancing on corpses in the cremation ground.

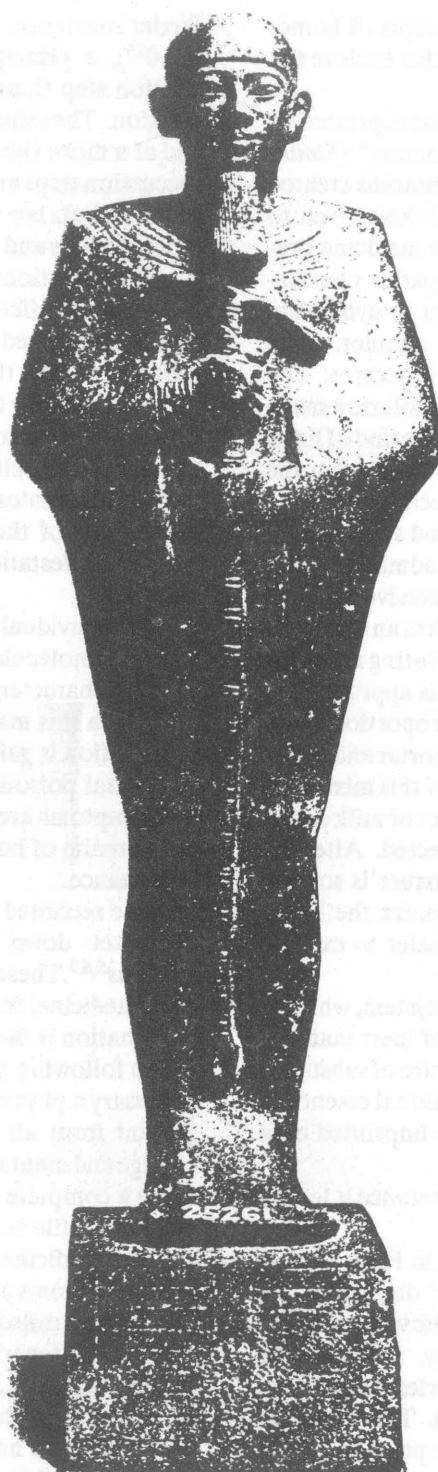
Her nature is two-fold, like iron. She is both creator of life and in another form she is called the 'Night of Destruction,' which happens at the end of the world and which is necessary before a new world can come into being. She is the explosive, unpredictable power of Nature. She is also the purifying power of iron and was said to come into being to combat the demons of man's iron-based greed and materialism.

This purifying and healing power is evident in the sign of Scorpio and is also observed in nature, in iron's close relationship with arsenic where it binds this highly poisonous substance into an insoluble and harmless mineral. This process is also constantly taking place in our own bodies where the iron in the blood works to neutralize the cyanide-like poisons produced by the digestive process.

"By virtue of its iron content the blood sets up healing processes to oppose these pathological accompaniments of the unfolding of consciousness."⁵

Even the sea is purified with iron which precipitates with poisonous heavy metals to fall as mud on the ocean floor. With the energies of iron, with the steel will and 'rite' action of Kali, we can find the way to detoxify the environment and ourselves, and create a new world.

These times we're living in could be called the culmination of the Iron Age, the phase described by alchemists as "an active descent of the Spirit into the lowest levels of human consciousness...so at this stage of the work the Spirit appears submerged in the body and as if extinguished in it. This is the 'outermost' coagulation, and the threshold of the final completion -- the transformation of the body into the Spirit-become-form."⁸



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HOMEOPATHY: A VIBRATIONAL PERSPECTIVE

Dr. Donald R. Beans, C.A., Ph.D.

This article will discuss the classical concepts of homeopathy as laid down by Hahnemann. It will also explore the relationship of radionics to these ideas.

The medical concept of homeopathy is best expressed by its guiding principle. This is the "Law of Similars" (*Similia Similibus Curentur*)¹ which states that the symptoms created by a medicine in molecular and/or repeated dose given to healthy individuals may be cured by the same medicine prepared by the method specified in the homeopathic pharmacopeia². This method is called potentization or dynamization. It is accomplished in the following manner. The substance is rendered soluble by one of two processes. The first being the making of a tincture. This is a solution made by soaking the substance in ethyl alcohol for a period of time. This effectively extracts the medicinal properties from the raw substance. The tincture process is especially suited to plant material. This liquid is then diluted and succussed in successive steps to produce a remedy for oral administration. Succussion is a process of striking the successive dilution steps against a hard but resilient surface to effect an energetic transfer from the original substance to the diluting material.

The second method is trituration. In this approach the substance is ground and mixed in precise proportions with milk sugar. This mixture is then ground in a mortar and pestle for 100 rotations of the pestle. A measure of this mixture is then combined with either 10 or 100 measures of milk sugar, depending on which system of dilution is selected. After the third or in some cases the sixth step the mixture is soluble enough to be mixed with alcohol. At this point the liquid method is substituted because it is much easier to execute than the trituration method.

The systems of dilution are the decimal system, which is one measure of substance to 10 measures of inert material and the centesimal system which uses 1 measure of substance to 100 measures of inert material. The vibrational essence of the particular medicine being potentized is imprinted on a carrier substance by succussion.

It is as if the molecular imprint of the substance is left on the inert material.

This effect may be similar to that shown in Hans Jenny's *Cymatics*³ research. This is a method of displaying the vibratory patterns of substances. Specific sonic vibrations are passed through the substance under study, the resulting alteration in the vibration caused by the interference pattern of the substance is conducted to a diaphragm. The diaphragm has on its surface a light and easily movable powder.

As the diaphragm vibrates it organizes the powder into a distinct pattern. The geometric pattern produced by each substance is unique and predictable according to Jenny.

The homeopathic potentization process releases at each dilution step a progressively more subtle energy field into the

carrier substance. According to the Avogadro's number (6.023×10^{23}), a principle of chemistry, after the twenty third dilution step there can be no physical substance left in the solution. The remedy however, seems to act more powerfully and at a more subtle level in the body as more dilution and succussion steps are carried out. This is in agreement with the Arndt-Schulz law which states "weak stimuli increase physiologic activity and strong stimuli inhibit or abolish activity."⁴

The vibrational pattern of each remedy is directly reflected by the effect that remedy has on the body. As the substance is ingested in large amounts (molecular dose) it is broken down by the body's processes and distributed to the various tissues by blood or lymph circulation. The substance will either combine beneficially or interfere with the functioning of the cells by its action at the atomic or chemical level. This creates a certain set of effects as the awareness of the toxicity of the dose is brought to the conscious level. These manifestations of the effect of the molecular dose are recorded.

An individual who is sensitive to the remedy need not receive a molecular dose to exhibit the same symptoms.

The characteristic symptoms of a homeopathic remedy derived in this manner are known as a proving. Additional information is gained about the effect of the remedies from accidental poisonings and clinical experience. These signs and symptoms are physical as well as mental and emotional. In the realm of homeopathic medicine all these areas are of importance.

The recorded provings of homeopathic medicines have been set down in texts called *Homeopathic Materia Medica*^{5,6,7}. These books represent the vibrational profile of each medicine, in detail, as it is presented by the body. This information is then used according to the "Law of Similars" in the following manner. The patient is interviewed and if necessary a physical exam is performed. By approaching the patient from all aspects of physical function, anatomical change and mental/emotional behavior, the physician is gathering a complete vibrational profile of the individual. The patient profile is then matched to the vibrational profile of the one medicine which exhibits the greatest number of the same symptoms as are exhibited by the patient. This is done by a process called repertorization. A text called a repertory^{8,9} is used to categorize each sign or symptom discovered in the patient exam. Lists of remedies are presented with each symptom in the text.

When one has cross referenced all the patient's symptoms and all the remedies presented with those symptoms in the repertory, certain remedies which pertain to the patient under investigation begin to reveal themselves. The next step is to reach the most likely remedies in the materia medica to discern which is the one remedy (the simillimum) that corre-

sponds most closely to the totality of the patients overall vibrational profile.

The next decision the homeopath must make is which potency to administer to the patient. Different schools or methods of homeopathy have different conceptual frameworks upon which this critical decision is based. This has been a dividing force among homeopaths for years. Generally it is felt that the low potencies (those containing some molecular substance), are more active on physical or organic lesions. The high potencies (above Avogadro's number) are more appropriate for treating functional conditions. The foregoing explanation is simplified, to say the least, and not agreed upon by all homeopaths. Although agreement has not been reached on what the depth of action of the various potencies might be, there is general consensus that the potencies remedial benefit is a function of its effect on the bodies vital energy.

The concept of 'vital energy' was used by Hahnemann¹⁰, the originator of homeopathy, to mean the non-physical, non-chemical force which motivates and supports life.

The idea that a homeopathic remedy manipulates an underlying, pervasive, life motivating force in the body was conceived partly from the observation of patients treated with these remedies.

Not only are physical ailments of the body resolved, but mental and emotional conditions undergo remarkable changes. These changes in the psychological aspect of the person sometimes change 'instantly' upon the administration of the correct remedy. This would lead one to conjecture that it was not the physiology of the patient changing which changed the attitude, but some energetic force which could make a change in the whole person immediately. The physical aspects change more slowly because, even though the energetics which are creating a certain situation of illness are changed rapidly by the administration of the simillimum, the tissues themselves need time and nutritional support to regenerate themselves to a condition of health.

The whole concept of homeopathy may also be expressed in the physics principle of sympathetic resonance. This phenomena may be simply demonstrated by an experiment with two tuning forks, both of the same pitch or frequency. Two wooden boxes, open on one end are set on a table with the openings facing each other, a short distance apart. One tuning fork is set with its base against the top of one box. The other tuning fork is struck to set it into motion, and then set against the top of the other box. The vibratory rate of the struck fork is transmitted to the wooden box which, because of its shape and material, acts as a resonator. This box transmits the sound waves through the air to the other box by virtue of the hole in one side facing the hole in the other box. This acts like a megaphone. As the sound waves are received by the second box, it begins to vibrate at the same frequency as the sound waves in the air. This vibration in the wood sets the turning fork vibrating, creating the identical sound from the turning fork that was not struck.

The homeopathic remedy of the same vibratory force as

the totality of the symptoms of the patient is administered, and through this principle of sympathetic resonance initiates a profound energetic change in the function of the individual. The vibration of the remedy focuses the body's vital force on the totality of the condition and the natural defense mechanisms are set in motion in a precisely organized manner. The exact nature of this process has yet to be explained in scientific terms. However, the clinical observation of this occurrence is the basis of homeopathic practice worldwide.

RADIONICALLY PREPARED HOMEOPATHIC REMEDIES

The process of radionically preparing homeopathic remedies is more properly called simulation. The remedy is created by a radionic instrument is only an approximation of the original substance.

It contains only the vibrational pattern created by an instrument not the molecular structure imprinted on a carrier medium by the substance. To prepare a remedy one must begin with a witness of the remedy. This can be a physical sample of the substance, but is usually a numeric rate, a geometric pattern, the written name of the remedy or a photograph of the substance, unaltered or broken down to a spectral image (Spectro-Vibratory Imaging).¹¹

The circuit or the radionic instrument is then tuned to the sample or witness representing the substance to be simulated and the potency desired. The function of the instrument is to amplify and concentrate the vibration in a specified area, usually a well or other receptacle, in which a receiving medium can be placed. The mediums best suited to receive these vibrations and retain them for later oral administration are milk sugar, water and alcohol. After a brief period of time the carrying medium may be removed from the instrument and administered according to the laws of classical homeopathy as discussed above.

In general, however, most radionic practitioners ignore these laws and rely on the radionic instrument to aid them in the selection of the appropriate remedy for a particular client. This is done by using a witness to represent the client.

Using this sample, the radionic circuit is tuned to the vibratory pattern of the client. This vibration is then compared to the vibratory patterns of the various homeopathic remedies. When the two vibrations match, detected by the radionic operator's nervous system and indicated by the radionic instrument, this is said to be the appropriate remedy for that person at that time. This remedy may or may not be the simillimum as defined by the tenets of homeopathy. If the above method is used to aid the practitioner in selecting a remedy it can be very helpful, however, it is not the practice of homeopathy. This is the administration of vibrational remedies following a completely different set of rules. The difficulty in prescribing remedies by the radionic method arises when one tries to predict the outcome or respond appropriately to the client's reactions to the remedy given.

Classical homeopathy has very definite parameters for the interpretation of reactions and the anticipated outcome from the administration of the simillimum. A clear under-

continued next page...

THE ROLE OF THE MOUTH IN HEALTH AND DISEASE

Vivian Morris, B.S., D.C.

Everybody — listen to an important message about your health. I wish to share information about something I did not know, and you may not know it either.

If I ask someone, "Is your mouth important?" That person probably will reply, "Of course it is important. I eat and drink through it, I speak through it, etc." (In that connection we should be aware that what we eat and drink makes or breaks our health, and that our words either make or break us).^{*} But it's what I learned about my mouth in relation to the entire body that I want to share.

When I think of the thousands of individuals seeking help for their aches, pains, and declining health I want to shout, "Friends, don't do as I did in times past: spending thousands of dollars going to numerous doctors, and not getting at the causes of ill health. Instead find a wholistic dentist who is not partially wholistic, but truly so. That doctor knows that a thousandth of an inch of imbalance among the mouth structures can make you ill.

During my dental reconstruction I experienced a dozen distress-

ing physical symptoms that would send the average person in many directions seeking assistance. All of those symptoms were the result of imbalance in the mouth. This was a revelation to me.

My wholistic dentist, Dr. Roy Smudde in Los Angeles, stresses the importance of clearing the blocked channels of electro-magnetic energy throughout one's system. He and his staff members apply techniques that enable one to tolerate the discomforts that cannot be eliminated until the reconstruction is complete and the mouth is in balance.

Between the temporal bone of the skull and the lower jaw bone (called the mandible) there is a little joint that is so important we should acquaint ourselves with at least some of its functions. Its compound name of Temporo-mandibular-joint usually is conveniently shortened to its initials TMJ. Says Doctor Smudde: "The TMJ is the body controller. The functioning of this joint can affect any and all muscles, organs and systems, and health can be restored most effectively by bringing this joint into balance. The load on the TMJ must be reduced before any permanent benefits can be accomplished."

Although this article is brief, I believe the reader can see why I feel the urgency to broadcast the message: "When your body is hurting and telling you that something is wrong, don't waste time, energy and money on doctors who only suppress the symptoms with poison drugs, and leave the cause untreated. Have your mouth examined by someone who knows how, and start your way back to health there".

^{*}"My people can have what they say, but they are saying what they have." From the BIBLE.

"The spoken Word is the key to drawing the light from heaven to earth.

"Only right use of the power of the spoken word can atone for mankind's sins." From THE SCIENCE OF THE SPOKEN WORD.

HOMEOPATHY CONTINUED...

standing of the body's response to vibrational or homeopathic medicines is necessary to successfully cure patients by these methods.

There is still controversy about whether the vibrational remedies prepared radionically or those prepared by a homeopathic pharmacy have similar action in the body.

It should be obvious that remedies prepared according to the U.S. Pharmacopeia in potencies below the 24th may have a chemical reaction in the body as well as a vibrational action. The radionically prepared remedy can not have a chemical action because of the lack of physical substance. Only the vibrational essence of the remedy is transferred to the tablets or liquid by the radionic instrument. The true significance of this difference has yet to be defined in clinical practice.

The use of homeopathic remedies whether prepared in a pharmacy or by radionic instrumentation is the choice of the individual practitioner. Whichever method is selected, the practitioner must still rely on the classical concepts of Hahnemann, Kent or other homeopaths to interpret the action of the potency administered to the patient. In order to understand the changes brought about by the administration of a vibrational remedy, a firm grasp of the principles of homeopathic action of remedies and acute observation and interview skills are necessary.

BIOGRAPHY

Dr. Beans is a licensed acupuncturist, iridologist and certified homeopath in clinical practice for 10 years. He is also active in the field of radionic research.

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LIFE FORCES & PHYSICS

Buryl Payne, Ph.D.

If an object changes its motion a force is said to be acting on it. Classical physics identified 5 forces: gravitic, electric, magnetic, and two nuclear forces. An ongoing puzzle for those playing the game of physics has been to explain every observed phenomena in terms of these forces, and if possible, to even simplify or reduce the number of forces needed. So far, electric and magnetic forces have been linked but not much progress has been made in finding a unifying principle for the others.

While these forces of physics have accounted for some structural aspects of the known universe, there's a lot left unexplained. And the entire phenomenon of life seems far beyond accounting for by the four basic forces of physics.

About ten years ago a new force: a biological one, was discovered. This force appears to be present around all living organisms. It is easily measured as it is quite large and frequently manifests as a spin force or torque upon objects in the vicinity of any life form. Its presence can be verified by anyone with simple, commonly available materials. It varies in amplitude with geomagnetic activity. Details have been published elsewhere.¹

The discovery of this force led to the realization that spin forces are almost universally present around all particles from neutrons, electrons, protons, to planets, moons, stars, and galaxies. One astronomer even proposed that the whole universe spins.

In other words, if a test mass is placed in space near any body, it will experience, in addition to gravitic force, a torque which will cause it to rotate around the body in addition to falling into it. If the test object is on or near the plane of the spin force, it will go into orbit; if not, various other trajectories will occur.

If spin is brought into physics as a force in its own right, we can see some symmetry and unity between the forces of physics. Gravity and spin complement one another. Where there is mass, there are gravitic and spin forces. Where there is charge, there are electric and magnetic forces. These two pairs seem to form a natural symmetry. And magnetic forces appear to be a special case of spin forces, for the magnetic field around a current carrying wire is in the form of a circular

or spin field. Spin forces, in turn, may be a special case of spiral or helical forces. Certainly spirals abound in living organisms. Torque, angular momentum, spin, or spirals as force vectors can be put into mathematical form quite easily.

When spin is assumed to be another basic force, the formation of much of the universe becomes easier to explain. Spiral galaxies, solar systems, planetary ring and satellite systems are natural outcomes of such forces.

Spin forces also bring at least one aspect of biology within the framework of physics, since spin appears to be a property of all living organisms. Weak or ill people are observed to have less spin force; whereas little children have larger spin forces.

Table 1 summarizes the forces of classical physics including the spin force. The forces are arranged in order of complexity. Gravitic forces only pull, electric forces push or pull, whereas magnetic forces operate at right angles to moving electric forces. If there were no magnetic forces, all the particles in the universe would eventually clump together after all the negative and positive electrical charges cancelled

Table 1

THE FORCES OF THE UNIVERSE

FORCE	LEVEL OF OPERATION	EFFECTS
Gravitic	Operates between all matter	Pulls matter together
Electric	Only manifests between charged particles	Pushes or pulls
Magnetic	Manifests when charged particles move Manifests around subatomic particles which possess the property called spin.	Pushes or pulls at right angles to the direction of motion. Only sensed by other charged particles. Cause charged particles to move in circles, spirals, or helices.
Spin	Present around all bodies - Much larger around living organisms	Causes all bodies to spin around one another. Counteracts gravity. Produces complex forms or structures.

each other out. And all the non-particles (light, or radio waves, and neutrinos) would disperse in all directions. Even with the presence of magnetic forces, charged particles would eventually find their opposites and gravity would draw all matter together, but it would probably take longer.

However, if we assume the presence of spin forces, which operate on and around every particle, whether charged or not, then particles would come to have something like the distribution we see in the universe today, with organized, spinning forms and structures everywhere kept in delicate balance and harmony.²

Postulating the existence of a spin force in its own right leads to some hypotheses which could be tested by experiments such as the following:

1. The gravitational constant might be different for living objects than non-living objects. Orientation of the living objects could be a factor.

2. More details on the spin force detection instruments, including building instructions, may be found in the book: THE BODY MAGNETIC, from Buryl Payne, 848 Walnut Ave., Santa Cruz CA 95060, send \$12 + \$2 P&H.

1. A Device Which Detects and Measures a Biological Force, American Journal of Acupuncture, Dec. 1983

2. The force of gravity would be less on the equator than nearer the poles. This may be difficult to measure on Earth due to the centrifugal force, but might show up most clearly in the formation of space probe orbits around other planets.

3. A human floating in space should start turning with no other forces present, if left quietly alone. And small objects floating near a human should go into orbit around the human.

If spin force is a real force, then the gravitational constant may either not be constant, or may require a slight modification. This would have significant consequences for theories of the universe, perhaps accounting for missing mass and other current problems in astrophysics.

Although spin forces may help to account for some of the complex structures we observe in the universe, they fall far short of accounting for all the variability and complexity shown by living organisms. An organizing force over and above the forces of physics presumably must exist in order to account for the formation of living entities. Such a force, in order to qualify as a force in the traditional sense, must somehow move particles around, putting them in their 'places' to form complex structures. We simply recognize its existence in its own right, name it, and get on with our theories and projects.

Whatever its nature, human thought must be involved with that organizing force, for the power of thought to form structure, organizations, and artistic creations is clearly evident. By assuming the existence of an organizing force, we immediately jump physics up a level. But enough of such theoretical speculation -- what about the experimental evidence?

First of all it should be noted that every thought moves millions of atoms and molecules, ions, and cations around within the body. We all exhibit the power of psychokinesis within the boundary of the skin. If a thought is novel or creative, then by definition it is not a mere function of stimulus-response or deterministic forces, it is a new structuring of atoms, molecules, neural patterns, etc. Besides all the things that bodies do to keep living, they are our 'thought amplifiers'. That is, if we wish them to be. And some laboratory tests have shown that human thought, intention, and/or emotion can move objects outside the body without physical intervention. This is over and above the spin force shown to exist on frames suspended around the body.

Curious to see if thought force or psychokinesis would show a synergistic effect due to the intention of large numbers of people, the author initiated a larger scale experiment in 1979 to see if people could move a space station into a higher orbit. The space station, called Skylab, was due to crash into Earth. About one million people participated, linked and guided by radio, and there did seem to be some slight result. The space station remained in orbit longer than expected due to an unusual reduction in solar activity, which reduced the agitation of Earth's atmosphere and thereby lowered the air drag on the space station. Participants in the experiment were asked to ask the Sun to take care of the space station.

This experiment was unknowingly a pilot study for a more recent experiment, covering a 3-1/2 year period in which people meditating for world peace were asked to time synchronize meditations on 6 dates per year. This hypothesis tested whether or not humans, acting together, could alter the planetary magnetic field and the activity of the Sun. Preliminary analysis of the data suggests that they can!³

This incredible finding must enlarge our view of human nature and of the power of thought to alter the physical universe. We are required to take thought into consideration as another force, if we accept the experimental evidence, ranging from facts of how the brain-body system operates to controlled laboratory studies on psychokinesis, to the findings (still preliminary) that humans can apparently interact with the Sun. Again spin forces enter as a possible link between the older physics and life, for the spin force around the human apparently can be modified by the power of thought, or more aptly, the power of emotion.

To consider thought as a force does lead to a new model of one aspect of consciousness. In thought, we can imagine different possibilities for future actions. We can mentally construct and discard many different alternative plans, ultimately choosing one which we will amplify with our bodies; i.e., speaking, writing, and acting to make it manifest. The different possibilities which we imagine can be said to form a probability space in the strict mathematical sense of the term. Some possible actions are "far out" on the probability curve, others are mainline, highly probable actions. With our free wills we can push for one or the other possibility, even stretching to make an improbable event happen. Of course free will isn't free. It takes effort, intention, or energy. (And it's probably taxed as well!) We do this all the time in our daily lives when we consider and plan alternatives. In this sense, human consciousness operates in a fifth dimension, space and time comprising four, and the fifth one made up of probable universes. This is a clear and well defined (sometimes) dimension -- that of probability. Most people, most of the time, follow the principle of least action, doing the most probable thing, and thus exhibit little free will. But we can do so when we want to.

In summary, based upon experimental evidence, two additional forces are postulated to exist.

1. A spin force or torque (more generally, perhaps a spiral force) present around all bodies and living organisms in particular.

2. A thought force or more generally, an organizing force present around all living organisms, especially humans.

There are probably other forces of a higher organizing type which we are so immersed within that we can't perceive them, for if things just depended on our thought to organize them, they would be a mess! Anyway, we want to leave some of the mystery of the universe or life would be rather boring.

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EDGAR CAYCE & THE RADIAL ACTIVE APPLIANCE

Phil Thomas

Remember the story in the New Testament about the disciples returning to the master and telling him about someone they had met in their travels who was healing the sick? The only problem was: this person was not healing in Jesus' name. The disciples were a bit put off by this, reprimanded him, and then told him he was no longer allowed to heal. So, what was the Master's response when he heard this story? Remember? "Forbid not," he said.

How this story ever survived 2,000 years of transcription I'll never know, but I'm glad it did, as it illuminates a very important premise in Scripture which is applicable for those interested in spiritual matters today. That is: consider the benefit for others as the bottom line, and not whether they happen to conform to your particular method of application, or as the Master so aptly put it, "Ye will know by their fruits."

A good case in point might be found in the readings given by Edgar Cayce. Now here is a guy who dedicated his entire life to being of service to others. If one were to consider the net outcome, even a conservative estimate would place it at no less than phenomenal. Edgar paved the way for holistic consciousness in this century. He laid down the ground rules for diet, exercise, massage, and a host of other healthy attributes, long before the notion became popular. What's more he discussed at length the interconnectedness of the body, mind, and spirit—a concept which only now is beginning to be considered by the sociological movers and shakers. So why then isn't Edgar revered in the history books as one of the great thinkers of his time? He was clairvoyant, and if society is to credit him with astounding insights, then we must accept the manner in which he obtained this information.

I, for one, do. This is not to say that all information obtained psychically is of potential benefit for others. However, in Edgar's case, I think it is time we took a closer look at what he had to say. If it is accurate, we need not fear it. In the words of Gamaliel, "If it be of God, ye cannot overthrow it." I have considered one aspect of the Cayce readings. You can decide to forbid it or not.

In 1915 Edgar gave a reading to someone seeking to enhance their balance, from a physical as well as emotional perspective. Amidst other recommendations, Edgar suggested that this person place two pieces of steel in ice water, attach a copper wire to each of them, and then wrap the other end of the wires around the wrist and opposing ankle. As this was in the early stages of the readings,

it was probably considered a fluke and dismissed as such. However, as the years progressed this concept continued to crop up with increasing regularity. Now, it was each enough to see how massage or diet corrections could have implications for one's health, but how could this steel and ice water possibly have any beneficial effect? Eventually, this led to some allotted readings which were geared toward this specific anomaly. They became known as the 1800 series. In these readings, Edgar began to express an entirely new concept into the field of holism, which today is becoming known as Resonating Bio-Magnetic Fields.

You can imagine the concern in those days, with people having had little exposure to any correlating ideas. It just didn't seem to have any other basis in any other tangible information. Fortunately, they lived in a time where new ideas were commonplace, and a small group of dedicated followers began to investigate this strange premise.

As interest in the idea evolved, so did the specifications for the design and manufacture for what would become known as the Radial Active Appliance. It became a self-contained unit which incorporated one simple yet profound premise: universal applicability. This was the basis upon which all of the fundamental mechanistic insights into the realms beyond, yet not excluding the physical body, were to be made. To solidify the notion, Edgar suggested that everyone could benefit from using one.

As with so many ideas contained within the readings the Radial Active preceded its time. There were many innovations coming into society during the course of Edgar's lifetime; unfortunately, holistic health was not one of them. Even today, with a tremendous resurgence toward natural foods and healthy lifestyles, the concept of vibrational medicine is still in its infancy. It may be fair to say, thought, that society is once again delving into many of the insights offered by the great social contributors of the past, in an attempt to re-evaluate some of our present predicaments.

The underlying premise of the Radial Active Appliance is resonating bio-magnetic fields. The first field is the one induced within the device between two pieces of steel when they are cooled to the temperature of ice water. The other is one's own bio-magnetic field across the body. If you stop and think about it, the bio-magnetic field is the one universal constant (aside from God's love) in all creation, from the smallest life form, to the entirety of the cosmos. Anyway, when you attach this field within the Radial to your body with lead wires, these two fields resonate one to the other, back and forth. We do this naturally with the Earth. We charge up at night when we rest, and we slowly discharge during the day. We couldn't do this on Mars or Venus, because the vibratory pattern is different there than it is here (which is why future astronauts will need to pack extra appliances!) In the best of all worlds, the earth would be sufficient for all our vibratory needs, but due to certain detrimental influences, we all get a bit out of bio-magnetic sorts on occasion. This is why Edgar developed the Radial. The resonating fields assist the body in stabilizing its own overall field by bringing high and low frequency patterns into the range of the overall norm. Once we're balanced, we can function at our optimal best.

Now, I could go on with a thousand questions and answers (which, by the way is the title of my next flyer, available now in hard cover) or you could take one home and try it, and decide for yourself. The cost is \$125, and if for any reason you decide it's not working for you, send it back for a full refund. How can I afford to make this offer? It's simple. Most everyone keeps them. Naturally, I'll be happy to try and answer your questions, if you'd like to drop me a line, or if you've got any answers I'll drop you a line.

Best wishes,
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BIOCIRCUITS: NEW TECHNOLOGIES IN WHOLISTIC HEALTH

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They're more powerful than some brain machines costing over a thousand dollars, and yet biocircuits can be made at home in a few hours with parts costing only about \$20. They were invented over sixty years ago and hundreds of people have testified to their amazing and subtle efficacy, and yet until recently, biocircuits have remained unpublicized, cloaked in obscurity.

The paradoxes surrounding biocircuitry confronted my wife Leslie and I from the very beginning of our research for the book *Biocircuits: Amazing New Tools for Energy Health*. When Leslie began researching it, she was an enthusiastically satisfied user of the original "Eeman screens," a potent but deceptively simple apparatus consisting of two copper screens, each linked by wires to two copper handles. The user grasps the handles while lying on top of the screens, one screen beneath the base of the spine and the other beneath the top of the spine at the base of the skull (see first illustration, page 14).

She had used the screens regularly for about six years, originally to relieve stress at the end of the work day.

After fifteen to thirty minutes in Eeman's "relaxation circuit" Leslie felt she had a fresh reserve of energy for her evening's activities. Eventually, while lying on the biocircuit Leslie began to have blissful experiences in which she would feel lifted out of her ordinary identification with the body, continuous with a field of pleasurable energy radiating around her in all directions. Together with a few striking occasions in which we saw the circuit's ability to strengthen her overall health, these experiences were persuasive: biocircuits were an extraordinary tool that more people should know about. Together we agreed that something should be published, and we ended up writing a 240 page book describing a whole new field of research, of which the Eeman screen was only one aspect.

One of our first questions during research had to do with the inventor of the screens, a little-known Englishman named Leon Ernest Eeman. What other inventions and what other research had he been involved with, and how had he happened upon biocircuitry? When we obtained a copy of Eeman's opus, *Cooperative Healing*, we discovered that there were no inventions, and no other research; he had devoted his entire career, over a forty year period, to his "relaxation circuit."

Eeman built the first biocircuit as a way to heal himself from debilitating injuries suffered during the first World War, in which he served as a pilot, surviving one crash. Given up by medical doctors as "100% disabled," Eeman resorted to the Bible for guidance. He noticed Jesus' admonition that the sick should be healed by the "laying on

of hands." Why the plural? Why "hands" and not "one's hand"? Perhaps our bodies were bi-polar systems, and perhaps the presence of both hands created a necessary circuit. Eeman wanted to heal himself directly, so he invented a way to "lay hands on" his own central nervous system. Two copper handles to connect the wires were to carry the healing influence of his hands directly to two copper screens which Eeman placed beneath the top and bottom of his spine. When he lay in this apparatus Eeman felt a soothing and pronounced relaxation take place. He used this device daily in an attempt to heal himself. Within a year, he was fully recovered. He spent the rest of his life exploring his extraordinary discovery.

Eeman saw his "general relaxation circuit" as a major discovery for medical science, a therapeutic tool with almost limitless applications. He opened a private healing practice in which he used the relaxation circuit to treat a wide range of medical conditions, and he reported very consistent success with problems ranging from insomnia to stiffness of muscles and joints to deep-seated psychological problems, which Eeman could address by using the circuit to unearth buried memories and emotions associated with forgotten childhood traumas.

In his earliest theoretical investigations, Eeman did a series of experiments in which he mapped three axes of polarity within the human body: head to foot, left to right, and front to back. Interestingly enough, his findings corroborate basic principles of traditional Chinese acupuncture, which view these axes of polarity as basic "yin-yang" balances within the human body. He found that when he connected the right hand to the base of the spine, and the left to the top of the spine, a relaxation circuit was formed. The person lying in the circuit would relax deeply, frequently being drawn into a deeply refreshing sleep. But when the handles were exchanged, connecting the top of the spine to the right hand and the bottom of the spine to the left, the person lying in circuit would become irritable, tense and uncomfortable, frequently even going so far as to fling down the handles and refuse to continue with the experiment.

After he opened his healing practice, Eeman found some people who were so weak and enervated that he felt he needed to insert a new source of energy into the relaxation circuit. Eeman rigged up some extra wires and handles and lay down next to his patients, directly connected to their energy flows. He found that the deeply soothing effects of the biocircuit were dramatically increased, at least most of the time. Eeman called this practice of connecting two or more people together in a single large

wiring diagram "cooperative healing." By sharing the body's natural healing energy, the two energy fields were "cooperating" to exert a more powerful healing influence. Cooperative circuitry became the arena for much of Eeman's most intriguing original work over the next forty years.

With cooperative circuits, Eeman noticed that the relaxation circuit carried a great deal of information of both a physical and mental nature. This observation formed the basis for Eeman's later development of several different therapeutic techniques, as well as a whole series of experiments in enhancing telepathic communication with the relaxation circuit.

Some of Eeman's most intriguing research was his experiments with drugs in the circuit. He had noticed that people in cooperative circuits seemed to notice, or even take on, specific physical sensations or experiences from the other people lying in circuit with them. For example, if someone lay down in a circuit while drunk, the others lying in the same circuit would feel slightly drunk themselves. One day while Eeman lay in a cooperative circuit with a woman suffering a 104° fever her temperature dropped to 102°. There it remained. This was as far as he could influence it. He cut the wire of the relaxation circuit and submerged the two cut ends into a glass into which he dissolved two aspirin tablets. Within two minutes, her temperature had dropped to 100°.

J.B. Rhine of Duke University suggested to Eeman that he collaborate with Dr. Cecil Maby, whom Rhine held in high esteem. Dr. Maby was especially interested in the effects of drugs in the circuit. A series of double blind tests, conducted by Eeman and Maby with the assistance of a pharmacologist, provided strong confirmation of what Eeman had observed. The experiments were conducted in such a manner that the identity of the drugs placed in the circuit was unknown not only to the experimental subjects but also the men conducting the tests. They carefully recorded each drug's influences, including all physiological and psychological, subjective and objective responses. Later, the pharmacologist correlated this data with the identities of the drugs that had been used (the identities had been kept secret from the other men). The subjects had accurately experienced the appropriate influence of each drug placed in the circuit.

Intrigued, Leslie and I tried a few experiments ourselves. We took a standard copper Eeman relaxation circuit and cut one of the wires. We stripped back the insulation and submerged each end into a solution of the most universally benign but powerful agent we could think of, Vitamin C. The sudden surge of clear, refreshed energy we felt was so strong and immediate that we each had to repeat the experience several times before we were sure that it hadn't been anomalous! Later we tried several other natural healing agents. Our subjective experience was unambiguous: the circuit certainly did communicate vibra-

tional influences. We began to look for other researchers who would corroborate -- or better, extend -- Eeman's findings.

During Eeman's lifetime, his drug experiments attracted the interest of Dr. Eric Powell, a leading homeopath in England during the forties and fifties. Powell repeated Eeman's drug experiments using homeopathic remedies, and concluded that the relaxation circuit communicated the vibrational influence more directly and cleanly, without as much risk of contamination as orally ingested homeopathic remedies. Powell began to use Eeman's circuit regularly in his private practice, both as a tool for relaxation and as a means for administering remedies to his patients. He developed a machine for inserting remedies into the circuit which he later marketed to other natural healers as the "Autonormaliser." Although Powell is best-known for his book, *The Home Physician*, he wrote another less well-known book about his work with Eeman's circuit, *Healing By Auto-Induction*. In that book, Powell recommends using the Autonormaliser with the patient's own urine. He reports that he obtained consistently good results in this manner.

By this time we were developing some investigatorial zeal and a sense of humor, so we tried out Powell's suggestion. We lay in the relaxation circuit next to a glass of our own urine, with the broken wires submerged in the glass. To me, these results were even more impressive than the Vitamin C. After ten minutes in the circuit, I felt so energized I didn't want to keep lying down. It was almost like drinking a couple of cups of coffee, except that I felt so strong and grounded, it was as though I were actually made healthier even as my energy was stimulated (a sensation that I certainly do not feel after drinking coffee). On several subsequent occasions, I lay in circuit with my urine upon awakening in the morning with a sore throat. Each time, the sore throat disappeared in the short time I spent lying in the urine circuit.

Our understanding of this technology advanced much further when we encountered Peter Lindemann, an American researcher born in 1951. Lindemann's biocircuit research, like Eeman's, developed out of his search for a cure for an "incurable" health problem of his own. In the process of his eventually successful search to heal himself via biocircuits, Lindemann became a sophisticated theorist about the principles underlying biocircuitry. He also developed the first major advances in biocircuitry since Eeman's lifetime.

Lindemann inserted a wide range of outside influences into the circuit. He worked with color influences, orgone accumulators, and a wide range of vibrational healing modalities, including radionics. In the process, he and his associate, Marty Martin, identified and described "vibration grafting." As Lindemann describes it, a vibrational influence is "grafted" directly into the energy harmonics of the body. When the graft "takes" there is an instant shift

in the body's vibrational dynamics, and the pattern of health is reestablished. At least theoretically, any vibrational modality can provoke this shift in the body's energy: homeopathy, Bach flower remedies, flower essences, gem elixirs, radionics, or other approaches. The vibrational graft is a simple but profound matter. Although grafting the vibration is fairly easy, it takes sophistication to determine what influence to place in circuit.

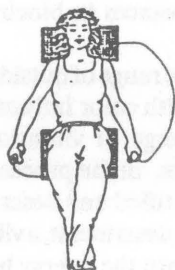
Nonetheless, a small number of universally benign substances will produce very positive benefits in circuit without prior analysis of the individual's energy patterns taking place. Included here are certain vitamins (particularly Vitamin C), one's own urine, food supplements or herbs which have a positive influence on an individual when ingested (these can range from wheat grass juice to ginseng), and color influences. Some people would also include aspirin. Remember, when you place these substances into a biocircuit, your bodily energies are directly affected by their vibrational patterns. It is important not to place any substance in the circuit that would be unhealthy to ingest orally.

Even without substances placed into the circuit, biocircuits are powerful tools. They provide a direct experience of subtle energy, powerful natural stress reduction, an opportunity for inner exploration, and a kind of subtle pleasure and enjoyment that is rarely discussed publicly in Western cultures. When substances are inserted into the biocircuit, they enable us to infuse their vibrational qualities directly into our bodies' energy fields. Used alone or with substances, biocircuits produce tangible results.

Unlike so many therapies which render the individual dependent upon a professional healer or teacher, biocircuits are self-empowering. With them, you experience the energy dimension directly, you influence it directly, and you learn your own lessons from your body's own natural energies directly.

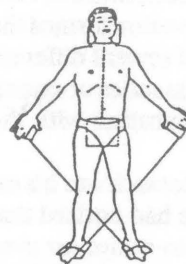
THE BIOCIRCUIT AND ITS USE

Biocircuits can be constructed from copper or silk. Their design is very simple. Most copper biocircuits are constructed with two segments, each connecting handles with screens. The handles are held in each hand, and the screens are placed under the top and bottom of the spine. This forms the Eeman General Relaxation Circuit:



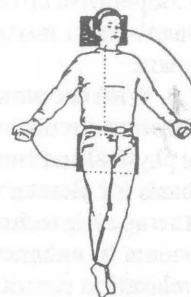
Eeman
General
Relaxation
Circuit

The two other recommended biocircuit configurations are the Eeman Optimal Relaxation Circuits and the Lindemann Centrally Symmetrical Circuit:



Lindemann
Centrally
Symmetrical
Circuit

Eeman
Optimal
Relaxation
Circuit



How to use a biocircuit: Lie down on top of the apparatus in one of the illustrated configurations for 20-30 minutes (less, if using a substance), and relax as deeply and completely as you can. The most universal effect of the biocircuit is its ability to deeply relax you and relieve stress. It is not unusual to fall into a deep sleep.

When are biocircuits used?

- Before Bed. Many people like to use them in bed when they want to get to sleep.
- After Work. 15-30 minutes in the biocircuit after work usually rejuvenates and energizes users for their evening's activities.
- Cat Napping. Biocircuits can provide deep refreshment in record time. We have heard many reports of business people who use copper biocircuits for catnapping, helping them to refresh themselves in the mid-afternoon. Whether they fall asleep or not, they emerge deeply refreshed.
- After Flying. After an airplane flight, many people lie in circuit more than once that same day, or once on the same day and once the following day. Many people report that this quickly restores and harmonizes their natural energy.
- Subtle Body Sensitivity. The biocircuit will help familiarize and sensitize users to their etheric or subtle energies. It can become a tool for extensive inner exploration. This is especially useful for people who meditate or do subtle bodywork, including massage and healing work, but it is enjoyable and helpful for everyone.
- As an Aid to Other Practices. Biocircuits can be used in conjunction with other practices, as a "turbocharger" to speed progress and increase the effectiveness of those practices. They can assist various meditative practices, visualizations, affirmation, certain types of deep psychological self-discovery work, some brain machines, various subliminal and meditative audio tapes, and out-of-the-body experiences.

OZONE

Is Good And Natural

Ed McCabe

Ozone is one of the most beneficial substances on this planet, and the BAD science you hear quoted on the news every night is causing you to subconsciously be afraid of Nature, and therefore, a part of Life itself.

What is ozone? Simply, oxygen, three atoms of nature's oxygen. It exists in a very active form for about 30 minutes before breaking down into two atoms of regular oxygen by giving up one atom of singlet oxygen.

Where does ozone come from? Nature. And nature does not make any mistakes. The new growth in the rainforests, and the plankton in the ocean are continually creating oxygen. As you read this, oxygen is rising up into the atmosphere to where the ozone layer is. At the altitude of the ozone layer, the rising oxygen is bombarded by the sun's photochemical energy in the form of ultraviolet light rays. This UV energy bombardment changes the oxygen from O_2 -- two atoms of stable oxygen, into O_3 -- three atoms of unstable active oxygen. We call this ozone. This is all part of the natural process of life on this living biosphere called earth. The chemical formula for this is $3O_2 > UV > 2O_3$.

Being heavier than the oxygen in the atmosphere, this newly created ozone falls back to earth and is immediately replaced by more rising oxygen which is also soon changed into ozone by the sun. A constant natural cycle of up and down oxygen mixing.

The ozone falls to earth and is all around us. It is the fresh smell of laundry dried outdoors in the country. It is also the fresh air at the clean seashore, and the sweet smell in the air after a lightning storm. Lightning, also possessing photochemical energy creates ozone as well. Ozone has always been with us, and the fact that ozone gives off that single oxygen atom is a significant factor. Thousands of physicians in Europe have been using ozone as a medical treatment for over 50 years, and the use of ozone in medicine is starting to finally catch on here in the U.S.

How is it used in medicine? This O_3 ozone is not as stable as regular O_2 oxygen because it has that extra atom of O_1 attached to it. Ozone will readily give up the

extra atom and revert back to stable oxygen again. This ability to quickly give off the atom of O_1 is the reason ozone has been used in medicine.

It has been demonstrated that O_1 , a beneficial free radical, will kill bacteria, viruses, fungus and molds by attaching to them and oxidizing and eliminating them. These lower life form organisms are mostly anaerobic. "Anaerobic" means they can't live around activated oxygen. Doctors using the proper concentrations and correct medical protocols have achieved substantial positive clinical results with ozone. Ozone, when used properly, has been shown repeatedly to kill pathogens -- yet not hurt normal cells. The pathogens do not have any protective enzymes coatings to protect them -- as do all the cells in higher life forms like us.

Breathing ozonated air or drinking ozonated water (at the safe legal concentrations that are already laid out by the government) are two of the ways of getting activated oxygen into your body. Did you ever drink water just downstream from a waterfall and feel invigorated? That was because the water had tumbled over the rocks, thinned out and absorbed oxygen/ozone from the air. If it wasn't safe to breathe acceptable concentrations of ozone, the military would not purify the air in our submarines with it. Other methods being explored medically are rectal insufflation, autohemotherapy, and IV infusion.

Why do they call ozone "smog?" Bad science and bad reporting. Did you know that your automobile spews out it's own weight in air pollutants every year? When man dumps pollutants into the air, nature tries to repair the damage by sending ozone into the affected area to oxidize and clean them up. Nature works through the balancing of differential electrical, magnetic, and chemical charges. This explains why ozone is always found near air pollution. Ozone is not irritating you in smog, it's the toxins like nitric acids formed that hurt people. But, because ozone is there, then the newscasters and scientists try to blame our troubles on our poor friend ozone. By blaming nature, no one has to take re-

sponsibility for the car and factory emissions. No one ever has to develop clean energy sources. What they call "ozone" is any number of toxic compounds. Why they don't tell you is that Nature's ozone is a very tiny portion of the smog they report. They also don't admit that ozone is strictly, always, only O₃ -- pure oxygen, and never anything else. I've actually cornered a few scientists and reporters and asked if they know that they were not being scientifically accurate. They admitted (in private) that they knew they weren't, but keep up the charade "because everyone else does!"

What about the holes in the ozone layer? Consider the greedy "clear cutting" of the oxygen producing rainforests and the disappearance of our own national forests at the rate of 1 acre every 5 seconds! At this rate, statistics prove that there will be no trees in the US in 50 years. Add to this situation the constant mindless polluting of the oceans, and the selfish discharge of industrial pollutants into the air. Electrical, electronic, and radioactive discharges further scramble the elements in nature. Chlorine gas comes out of your water faucet. The oxygen is either missing or bound up.

What we're experiencing is an increasing shortage of any planetary oxygen being available to be turned into ozone in the first place! That's why there is an ozone layer hole at both poles, and the rest is starting to look like Swiss cheese.

The ozone layer is almost a "living" boundary, only paper thin, and only on the daylight side of the planet. When the oxygen is all bound up or missing, then there can be no ozone layer. When there is no ozone layer, the sun's full ultraviolet light travels right on through to you without being used up creating ozone, and we will see increased cataracts, skin cancer, blindness, and burning of vegetation. So, our bodies and our food supply are in danger -- unless you do something about turning back the rampant greed that is destroying us.

Until you make them start putting the trees back, and clean up the ocean, you must protect yourself. What can you do personally to help supply the missing

free oxygen in your life? Thousands of people are exploring the oxygenating methods I wrote about in my book *O₂xygen Therapies*. One of the simplest methods of creating ozone is by using one of the common home ozone air and water purifiers. Home units aren't manufactured for medical purposes. They generally do not use pure U.S.P. "green bottle" oxygen for their influent gas stream -- as is required in the medical ozone generators. However, they do a fine job for what they were designed for, general air and water purification. I use them at home with pleasant results.

Many readers of my book have called and told me their own interesting stories. After installing air ozonators, they claimed "their house mold went away," "the smells stopped," their "emphysema became less," they "had more energy," their "lupus got better," and it sounds far out, but one fellow even said "the tar-tar fell off his teeth!" Of course no one is making medical claims for these

devices, but the anecdotal evidence is piling up steadily. Oxygen is the first line of defense of the immune system, and necessary for the removal of every single waste product from the body.

As I travel around speaking and appearing in the media, I point out that our society is experiencing the rise of diseases and plagues corresponding to the falling of our planetary oxygen level. The opposite phenomenon, the lessening of disease occurrence correlating to increases of cellular oxygen levels, is strongly suggested by the evidence available from all sources. Ozone is our friend. We should get to know it better.

O₂XYGEN THERAPIES by Ed McCabe (ISBN 0-9620527-0-1) is available from Energy Publications, RD #1, Box 22A, Morrisville NY 13408. Send \$12 + \$2 P&H.

Further information on oxygen therapies is obtainable from Walter Grotz, c/o E.C.H.O. (Educational Concerns for Hydrogen and Oxygen), PO Box 126, Delano MN 55328.

What about the holes in the ozone layer? Consider the greedy "clear cutting" of the oxygen producing rainforests and the disappearance of our own national forests at the rate of 1 acre every 5 seconds!

RADIONIC MACHINERY TO REGULATE EARTH VEINICS

Gerry Vassilatos

Element Technology

Throughout Experience we will find an angular structure manifesting itself in the most normal of ways. I say "normal" because, to our personal experiences, the structure quite ordinarily has been in operation. It is we who have not recognized the patterns emerging. If you have ever known a sudden insight "flash" incoming to you, you will realize that at that precise instant and at your precise positioning within this Matrix, you have intercepted a visual ray of high intensity. Should you alter your position even slightly, the thought may vanish momentarily. Should you be a persistent chaser of truth, desperate for such illuminations, you may try to retrieve the instant of "seeing". To do this well enough, you may have had to "retrace your steps" or "place yourself in the same position" in order to recapture the moment better. Then, the force appeared in strength again, and you remembered the idea in its fullness.

The Matrix forms experience, which is the cardinal rule. This means that everything that is experienced is created by the Matrix itself. The Matrix will congeal at specific points and along specific lineals; when these are located on the earth proper, they are termed powerlines, leylines... veinics in our terminology. These will be found to be "cascade" phenomena; relatedness will be a striking factor of manifestations along these lineals, these veinics. This is why water and woods, clarity and beauty, dreams and visions, are all found along specific earth intersections.

The entire Matrix may be regulated and modulated. This may be done very simply via machinery which is "plugged into" the local veinic. Any regulation from this point will affect the whole structure, and all its related places as well. One must be patient, deliberate, respectful, and submitted to the natural energy fluxials in the locale, only then may one properly retune the local Matrix which forms experience in that area. Have you noticed that some days have nothing but confusion and resistance attached to every good intent? When the proper machinery is strapped into the local veinic and regulated, one finds that such bad "climate" is easily dispersed, and the experience of everybody in the locale seems to relax into the natural health of focussed theme.

Certain substances lend themselves aptly to the tuning and interactive process. These are the various materials which translink operator and Matrix together with fluid transparency. Otherwise, too much stress and armoring may result against our frail physical bodies, and that is not good. I have been experimenting with such substances, and

among them I name a few which mediate any specific kind of transmodulatory move for the environs by the operator. Soft, granular Carbon is chief. Carbon steel, or iron is vital to the linkage. Manganese has its softening effect on the whole machinery. Ferrites are combinations of these mentioned materials, and have thrilling properties for the operator.

There are other aspects of this kind of machinery which are varied angulations of the single Matrix Dynamic. Sounds, thoughts, forms; these enable the operator to enter deeper and deeper levels of the Matrix of Experience, and to remain at attained levels permanently. There are aspects of reality which have seemingly baffling natures. After extensive periods of effective radionic workings upon the environs, one may see that "hard face" of the apparent reality set before us in plain view. It seems to have been unaffected, unchanged. Nothing could be more of a deception. Apparency is as moldable as clay, and yields easily to our every submitted act. The submission to that cardinal natural energy is primary to any and all success. In this, one may become ever more attuned to the natural intent of Space Itself, and discern how to make adjustments upon the needy environs which have suffered so as a result of inattentive humanity.

Through these radionic machines whose function it is to alter local experience in stress-relieving ways, one may attain great potentials in Space. The range of activity or of effectiveness of these machines is limitless. Once interlinked within the Matrix at specific veinic positions, one may gradually begin to add improvements and tone to an entire region via minor angulations of the various adjusters in the machinery proper. These will be described later.

It is vital to understand that reality is a compound. It is made up of several elements which may be described, and tested for. How these elements combine is a function one of the other, for they are interrelated. The domain where they interact purely among themselves is called the Vyabrand — the place where they freely interrelate, and where we may find pureness of Experience. The machinery is constructed to these ends for earthlevel. Our entire experiential world is a composite reality. The part of this reality which destroys, hinders, and actively frustrates all good intentions is inertia. This alien part of reality is strengthened by silence and neglect. Sounds, structures, and directed thoughts will destroy this inertia. One feels lighter after playing sufficient kinds of sounds in cluster. It is the freeing of the elements of Experience which constitutes health and glory.

The binding up of the Elements is the tragedy of the original reason for our being; to fuse with the natural energy, modulation and co-creation with It as the Vyabrand directs.

Every locale or placing has its own Matrix face. This is, every locale will transmit, conduct, and modulate or modify the incoming Vyabrand in any of several ways. Have you ever noticed that some places seem to be especially glorious in the emotional aspects of experience? Others seem to especially strengthen the intellectual aspects of our being. Others still seem to have nothing good about them, being regions filled with confusion, negative sensations, continual confusions and resistances to any good intention. All these inertial components indicate the loss of conductivity of one or more of the elemental rayings in that area. We may alter these conditions locally from our distant machinery, if we learn to sense extensions near the machinery, and the means of sonic entry to those related regions.

The matrixial gantry is one whose very nature involves relational elements. These do not occur harmonically, nor are they found to be symmetrical in format. They are, as Experience Itself is, asymmetric and dysharmonic. In spite of this nature, yet they are all "natural" and pleasing. Our capacity to receive such highly complex sorts of information from our environs must be exercised. Natural apparancy is never clockwork, square-edge, rhythmically perfect. There are zones and realms where this can be the reigning feature, but it is definitely not the index of the whole of Space.

In any direction, we will find that the elements of Experience will vary. Beauty is found excelling in strength in a specific lineal, form in another. Strong meaning will excel in yet another direction, and the capacity to change will occur along another specific line. So, these qualidial elements of Space are anisotropic when we examine them with our senses and innermost senses. The elements of which I speak are far more than the so-called atoms. What I speak of has very much to do with the very components of Existence Itself.

Beauty, Form, Intent, Change, Expansion, Meaning, Mystery, Relatedness, and The Unexpected -- these are the nine elements (The Elemend) of Experience. In their various combinings (self-governed) they produce Experience Itself to us. They produce all the perceptions of our being, the present and the future. They, collectively, manifest as sharp rayings, and are to be located in their particular angulations in this world-experience as well as in any location throughout Experience. Space Itself is Experience. It is not some thing; it is Awareness Itself and Plenum Sumnal.

WHAT KIND OF POWER IS NEEDED FOR EARTH RADIONICS?

The power levels encountered in modern-type power supplies is extraordinary. One is frequently astounded by numerical figures of power output versus consumption, and engineers are often busy at work, attempting to solve the various problems having to do with fuel costs, and new physical plant arrangements for more efficient generation of energies much in demand. In seeking relief from these sorts of problems, shifting over to the living natural energies, one is again often astounded by the writings of some researchers who have constructed machines intended to boost the "very weak" levels of natural energy. These include vacuum tube amplifiers, which also require energy of initiation in order to attain prime function. Might there be other truths whose power of illumination might prevent our fears, so to speak, that natural energies are "too weak"?

The fact of the matter is, natural energies are so powerful, that they require no amplification in the normal (radio) sense at all. What we need to see is this fact in its full force and prospect. It is our old experience which impedes our free thought and full acceptance of these simple truths. Natural energy does not require any amplification except that which is afforded through naturally occurring solids in proper array. No energy input is required at all except the dynamid represented as solid. And we build these up in configurations of appropriate design, whose specifications require shape, arrangement and material alone.

One so designed and intralinked (as I have done in several machines) with earth veinics, one need only modulate and modify the existent dynamid appropriately in order to achieve the desired results with remarkable efficacy. You see, it is not brute force which is true power. The inertial energies presented as electricity, mechanical force, and electromagnetism, all are needing amplification by their very nature. They consume power in order to exist, so to speak. It is as if they do not exist at all until mechanical work is expended. This, to me, is the very expression of the essence of inertia. Static dynamida, however, exude force naturally in great power. Solids themselves, are this power. There are solids whose very nature is extreme radionic strain. Such materials are to be isolated and studied in combination with other materials until sufficient specific understanding is obtained as to how these react within the earth-veinic scheme. No movement is required in such static piles; the energy itself is resident and transducted through these solids. The fluxions are there already, waiting to be directed and harnessed.

Proper observation results in new technology. Only a sensitive participant is capable of making the kinds of

observations in natural energies required for novel discoveries in the future. Until one experiences such powers, one finds all such discussions "weak" and "empty". It is strange that the greatest of powers, everywhere at hand, can be seen as weak by certain persons. Could there be a truer underlying reason for this? Could it be that insensitive individuals, who scarcely experience sensation at all, are qualified at all in making such statements?

Natural force is everpresent. It is solidly present in the rocks, in trees, underground, through the spaces -- even as Space Itself. Eventually we need to replace electricity with these powers, whose effects of illumination, warmth, transcommunications, all can be commuted directly and powerfully with absolute strength and no extra expenditure of power.

I have found that angular adjustments of a magnetic pile which I have designed and operated for a few years now, exhibits remarkable power modulation abilities. Coupled into an earth veinic determined via dowsing procedures, I have aligned an 8-fold magnetic pile configuration with the natural magnetic line, and having done so, have obtained astounding changes in local phenomena. Weather modification was successfully demonstrated on numerous occasions. Strain release was the prime objective; to realign the natural forces present, and to assist them in their paths of conductivity.

To be realized is that there are more primary foci of energies whose rule extends over and through other families of energeticspecies. To rule these, one must secure the primal graspable energies. By subtle adjustments of a carbon block cursor placed over the magnetic pile, I have achieved some remarkable local and distant effects. These include warming actions, new kinds of illuminations (however subtle), instant awareness of distant activities, visual excursions beyond the confines of the installation, weather control, emotional control of a region, quality release for a locale, sudden visionary reception (new designs), and other effects yet to be announced.

Now, the operant power levels are not as clarified as they could be made, but power is not the problem; power levels of earth-veinics is immense. Sometimes, they reach frightening levels of power, and if left unattended, the apparatus becomes a source of strain. At certain times the energy has surged, causing real physical fear -- fear that could be felt in the installation area, and somewhat beyond. Remember, these energies penetrate deep into out outermost being (the physical body). The energies we hope to gain participation with are new, and have new qualities we must learn to appreciate. They produce inner (physical) warmth colorations, auditions, visuals, even a form of transcommunication. But they must be investigated by sensitive individuals whose intent is to create a technology

capable of clarifying each quality in the natural energy structure. We will do so until every person is able to (objectively) perceive the virtues being clarified by the machinery.

THE SOURCE OF STRAIN IN THE ENVIRONMENT

That there are stresses and strains everywhere in our realm is a fact all too well known. It is a condition of our environment which is the cause of troubles and pain and numerous other inertial effects which pose considerable concern for the radionic operator. The intent of all radionic control-oriented machinery is to regain some degree, if not total, control of the natural fluxions of energy which have gone into hysteresis through certain paleogeological manifestations. These energies are intended to flow through and around our beings, and we with and within them. This, however, is not the case in earth-realms. What we do encounter are situations wherein natural energies have found discontinuities in their intended pure conduction paths, and because of this, they have become unleashed to our detriment rather than to our benefit.

If we take time to raise our awareness concerning the felt characteristics of objects and energies in our environs, we will soon become accustomed to seeing these subtle, everpresent powers. Becoming adept at these realizations soon sets us up into a realm of observation in which we may actually become active in these energetic processes. Through the design and operation of solid machinery, we are made able to modulate these natural currents and vectors effectively. The energies of which we speak are not without their own peculiarities and behaviors. These are true, living energies, and must be treated as having lively qualities.

We mention this, counterpoised to the inertial-type energies which obey strict mathematical laws, and which are representatives of non-participatory forces. Indeed, to become fused with a force such as electricity means detriment to any organism. Even the vibrational modes of electricity will tend to do overall harm and not good to a living being. Magnetism as well, having inertial qualities, is also too powerful a polarizing agent to be applied to the organisms for long periods of time. Indeed, such forces are dangerous to the living organism because they, themselves are the results of purely natural species of energy.

There is a principle of inertia in our earth-realms of experience. If we were to materialize such a principle, we would be entering an error, for inertia is not mass. Neither is a principle concept which is foreign to experience except for this limited physicality in which we are partly found. Even the ether, as pictured somewhat erroneously by physicists of the 1800's would be my material candidate for this inertia, but I know that inertia is not a material; it is an

imposition on a framework of experience, and it resulted from certain de-structuring effects upon a certain smallest level of the Matrix.

Inertia, in the proper sense, is resistance to the freeflow of qualities sensed normally by us. Whether in our outer-being or innermost being, we do sense qualities directly as a result of conductivity through our organism. This is the wonder of experiencing. It is a longitudinal process, if studied in its varied aspects of symmetry. The dance of chemicals in or along a conduction (nerve) pathway, is the result of the pure quality in passage. All too often, we find these qualities rather weak, or fading. Also, our physical bodies need nutrient amplifiers in order for us to properly apprehend qualities, and thus remain in full living participation within our space. Certain persons suffer because their physical bodies do not conduct specific element and qualities; they cannot apprehend portions of the signal called existence. Mental and emotional illnesses are the result of inner and outer impermeability with these natural energies. Certain nutrients, by increasing bloodflow, actually open the senses again to truer conductivity of qualities. Then, life may again flow freely throughout the being. This is health.

Not only are there physical-body impedances to natural energyflow, there are environmental ones as well. These come as the various multitudes of discontinuities found in nature as it is at this place in history. To experience qualities in freeflow is to know health. The very nature of experience, in its innermost sense, is one which has special characteristics. Among these, and we will discuss this elsewhere in depth, in the non-inertial quality of pure feeling. Once started, a feeling will last until the natural pulse later it into another perception. Negative emotions are non-existent at certain placing in the Matrix; these are the inertial effects upon the otherwise pure Matrix. Instantaneous shared sensations should be the norm, and objects should freely flow their qualities into the environs with power. Without inertia, all such experiences would be normal. The fact that we need, sometimes, to work a bit at discerning and drawing qualities from natural settings, shows this latent inertia which blocks and resists the freedom of sensation. The true world is one of sensation. That sometimes dull cast over a wooded area is as unnatural as the inertial principle which makes pure enjoyment difficult.

Wherever natural energies find discontinuities, there you will find enormous strains building up to unimaginable levels. These levels will have definite shearing actions on anything in their presence. I have often observed such energy pressure zones, and noticed the numerous split

boulders around them. In the cities, where men have deranged every natural locale, these pressure are particularly evident. Streets split, pipes break, personalities are sheared and distorted....the entire sense is a picture of pressures and strains. Frustrations, the result of such a deranged natural condition, along with the person whom we frequently encounter who seems to act as human agent of the resistance, all make life in the physical realm the challenge it has been. We believe this may be altered, even reversed via specific modulatory acts within the Matrix of Experience proper. Those persons, so entrenched within the inertial aspect, that they then serve it as extensions of resistance may then find their own thinking too bizarre, and may experience a "break" in their own strainlevel. Once freed into pure, unfettered sensation, they will also help reverse the inertial condition.

Now is the time that machinery must be developed for achieving the goals mentioned. The day must come where multisensorial excursions will be the norm for earth-life. Perhaps resorts, or spas will be advanced, wherein persons in dire need may freely visit, and obtain freeflow in their sensory life. Such a stimulated level of experience was only alluded to in childhood, but never fully realized. Such a breaking in natural environs will mean a new and better living for all persons. With sensory resistances vanquished, we could experience heights never before possible, even multisensorial excursions would be possible. People who destroy themselves through drug use are doing so for two basic reasons: first, they are malnourished and their bodies are craving right nutrition; secondly, they wish the multisensorial freeflow which comes about as the result of inertial dissolutions. Those of us who know the powerful effects of the B-vitamin family, also know the relative stress-relief, and the accompanying ease with which experiences may begin to flow. Senses seem so much more full in content and richness, and this is a mere prelude to what I am inferring.

Radionic machinery must be interconnected with earth-space veinics in order for them to become truly effective. We need to alter the very nature of earth via such machines, and not merely treat individuals in isolated instances. We need to realize that effects can be obtained regionally via the veinic natural connections. Even far distant related places will respond without loss of effects from the central station. The kinds of powers which could be effected through a region would be enhanced vision, sensations, thoughts, ideas, intracommunications, all at and in a new level of experience-participation. Novel modes of travel are being now anticipated in these regards, and we hope to express these new ideas in a future article.

NOXIOUS EARTH ENERGIES AND THEIR INFLUENCE ON HUMAN BEINGS

Kathe Bachler

Through the good offices of Ilse Pope, a free-lance researcher into geopathic stress, and at the invitation of ANAC (Association for New Approaches to Cancer), The British Society of Dowsters, and the Dulwich Health Society, I was invited to England to hold my first slide lecture in London on 2nd June 1987. The lecture had been translated and spoken onto tape by Aubrey Pope. My talk was received with great interest and enthusiasm. For this I thank and praise the Lord. I would very much like to thank my friends in England, Ilse and Aubrey Pope, as well as those who invited me. Thanks are also due to Ken Spelman and Rosemary Bonsor of the Naturmed Partnership for their invitation to give this talk in Stroud on 10th June 1987 as well.

On 14th August 1988, I gave this talk in Manchester. This time at the invitation of Dr. Keith Mumby of the Food and Environmental Allergy Clinic, who undertook to publish my first book "EARTH RADIATION - The Startling Discoveries of a Dowser -- New advances in the causation of cancer, allergies, arthritis, learning difficulties and many other diseases". The publishing company is Wordmaster, Parkfield House, Parkfield Road South, Didsbury, Manchester M20 0DB. The book has been a bestseller in Germany and Austria and is now in its 11th edition.

Meanwhile I have been invited by Dr. Jean Monro of the Allergy and Environmental Medicine Hospital, Breakspear Hospital, Abbots Langley, to give this talk again at a seminar to be held on 30th September 1989. By publishing this lecture I hope to help many people all over the world, and that's what I want most for all the readers!

First of all I should like to extend to you the traditional Austrian greeting "Gruess Gott" and then also thank you for your kind invitation. I am delighted to have the opportunity to talk to you today about my work as a dowser, about the research programme that I was commissioned to carry out, about a few of the problems, opportunities and limitations of working with a divining rod and a pendulum, but above all I am delighted to be able to talk to you about the importance of choosing a good place for both sleeping and working in as a sure guarantee of remaining healthy in body, mind and spirit.

But, first of all, there are a few simple explanatory observations that I feel obliged to make, since there are a great many misconceptions, particularly in this branch of knowledge, which often lead to difficulties and misunderstandings.

We humans are affected by a wide range of influences, both good and bad, such as heredity, upbringing and education, diet and clothing, climate and weather, the building materials of our houses, various electrical appliances and last but not least radiation from the earth itself in good and bad places. These have a far greater effect on us than has hitherto been recognized. Of great importance also are our thoughts. Worry, anxiety, malicious thoughts, envy, hatred and jealousy -- all of these can make us ill, whilst good, loving and helpful thoughts, as well as sincere prayer, full of trust in God, have a healing effect on giver and receiver alike.

Today I want to report on the extent to which we are all subject to the earth's influences -- influences which can be picked up by a divining rod or a pendulum. Both rod and pendulum are simple electro-physical instruments which make the influences, sensed by the dowser, visible. Dowsing reactions are not a figment of the imagination and have nothing to do with magic but represent a real physical phenomenon for which physics has not yet been able to provide a satisfactory explanation. However, for all scientists with an open mind there are enough recent research results, arrived at by use of biophysical instruments, instruments with which the findings

of dowsters can be tested and confirmed, even if these instruments are still rather expensive. My own work with a pendulum has been corroborated in this way on a number of occasions. A leading researcher and scientist in the field of radiesthesia, the brilliant physician and inventor Dr. Dieter Aschoff, is on record as saying: "Whoever nowadays still maintains that dowsing is a figment of the imagination or deception merely shows that he is either behind the times or downright malevolent."

There are various kinds of rods: the simple forked twig, metal loops, bent wires, as well as complex and expensive instruments. Likewise there are various kinds of pendulums.

What can be located with a rod or a pendulum? -- Water for wells, various ores and oil deposits, harmful radiation, the so-called 'interference' or 'disturbed zones' in flats and houses, but also interference from electricity and other sources. People who are exceptionally sensitive are also able to pick up good radiation and can find the good places at once! Here I should like to point out, however, that working with rod and pendulum can also be a strain, i.e. can make one ill. So due care has to be taken when dowsing.

Since time immemorial, in all countries of the world, a rod or a pendulum has been used to find subterranean water courses for wells. The missionary station San Miguelito in Bolivia always suffered from an extreme shortage of water in periods of drought. In 1972, I was able to find an underground water course at a depth of 43 metres which at the moment is delivering 4,000 litres of pure, clear water per hour to the well which was dug there.

In 1980, on my second world tour, I was once again asked to find water for a well -- this time for an Indian village in South America. A large cancerous growth on a tree is a sign that at this precise spot two underground streams cross each other at different depths. Such crossings also attract lightning. All living organisms, plants, animals and humans alike,

react in one way or another to these radiations, but the reactions differ. Plants and animals can be divided into two groups, i.e. those that need and thrive in the environment that is found above subterranean water courses -- in the plant kingdom for example mushrooms and many medicinal herbs, and in the animal kingdom cats and insects. Bees, ants and termites always build their nests in places of strong radiation. Bees produce more honey above subterranean streams, and viruses and bacteria also thrive on such interference zones. All TB patients that I have come across were sleeping in such places.

The second group of plants and animals are those that, like human beings, find such interference zones intolerable and therefore instinctively avoid them, or, if that proves impossible, become ill. Dogs and most domesticated animals belong to this group -- horses, cattle, pigs and hens for example.

Professor Dr. Anton Schneider, a leading German construction biologist, asked me to investigate a plot of forested land. This tree had been attacked by the bark beetle and had been entirely stripped of its bark. It was on a so-called interference zone crossing. The beetle population was able to multiply very rapidly, whilst the tree itself was too weak to defend itself.

A cat's favorite place is a bad place for human beings. A school-girl woke up every morning absolutely worn out, irritable, nervous and without any appetite. As soon as her bed was moved to a good place, she woke up as bright as a daisy and ate like a horse.

Underneath a cowshed I found one wide stream, and below it another narrow one. Afterwards the farmer said to me: "It was exactly above this crossing that every one of our cows fell seriously ill. We lost a lot of money. On the other side of the shed as well our pigs and chickens were either constantly ill or died. In the good places all our animals were in tip-top condition." Ten years later, when a film about my work as a dowser was made for West German TV, this same farmer said: "Ever since we've kept our animals away from the very bad places, we've had no more bad luck in the sheds."

The human being is enveloped by a kind of radiant body as a protective sheath. In a healthy human being this protective sheath serves as a defence against harmful influences. It

is invisible to the naked eye but can be felt by babies, very young children and sensitives. This radiant body can be punctured and impaired by all kinds of influences. Dowzers who spend too much time with their rods are also at risk.

There are a number of environmental influences which can harm us when we are asleep or working for long periods of time in one place. Sources of such influences are underground streams, geological faults, cracks and fractures in

underground rock and, also, the so-called 'nets' or 'grids', i.e. zones which are spread over the entire globe. The origin and effect of these grids have yet to be fully explained. In my opinion, the most damaging to human health are underground streams and the so-called 'Curry Net' (figure 1), which is named after Dr. Manfred Curry who carried out and published the original research. In the drawings these interference zones appear to lie in a horizontal plane. In reality, however, they are invisible vertical walls of radiation which can be detected in every storey of a building. The radiation walls of the Curry Net run diagonally from NW to SE and from NE to SW. In Central Europe these walls are approximately 3.5 m apart and, on average, 80 cm wide. In figure 2 the husband had a neutral, i.e. a good bed place and was healthy. His wife was exposed to two kinds of interference, i.e. water and Curry net. She suffered from cramps, had various illnesses and a great deal of pain, particularly when lying in bed. Her child was born prematurely at 6 1/2 months and her doctor told me that without his intervention she would have lost her baby, it being nature's way to get rid of all that is diseased. As the cot stood

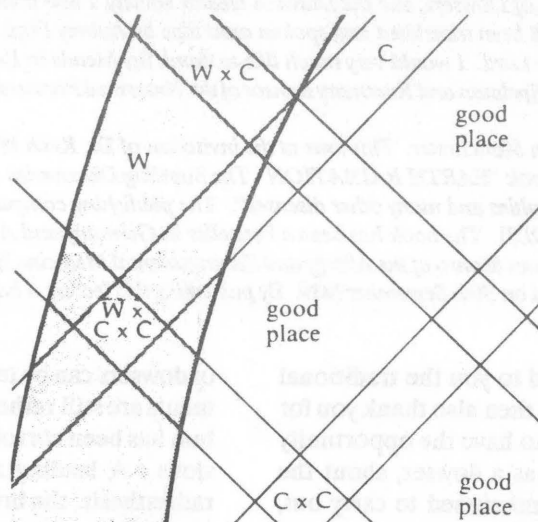


Figure 1. W = Water
W x C = Water x Curry
C x C = Curry-crossing
W x C x C = Water x Curry x Curry

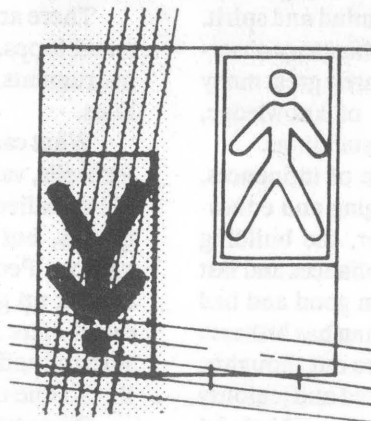


Figure 2.

directly above the crossing, the baby cried and screamed, tossed and turned, and had convulsive fits until it was utterly exhausted. The mother had to comfort the baby up to 20 times a night. So I would beg all of you, whenever you hear of a baby or child crying all night, to tell the parents to move the cot until the baby sleeps soundly. Many a man sleeping above such a crossing is unable to father a child and many a woman remains childless. Many couples only had their wish to have a child fulfilled after moving their beds to a good place.

Babies and young children escape from radiation whilst asleep. The baby rolls away. The two-year-old rolls right to the edge, pushing hands and feet through the bars. Moving

the bed a mere 50 cm away from the wall brought the desired effect: the baby stayed in the middle and slept soundly. A seven-year-old sleeps rolled up in a ball. It is obvious that such children will not wake up refreshed. The bed should be moved to the place to which the child escapes. A nine-year-old in Argentine escapes to his brother's bed, whilst asleep. Many children escape to their parents' bed, but only when they sleep in a bad place. When their bed is in a good place they sleep soundly all night. I have recorded a few hundred such cases in drawings, proving that we are not dealing with coincidence but with a natural reaction. These are facts, not theories. Scientists need to be humble enough to allow themselves to be guided by these facts.

In the sudden death of little Michaela, this child's bed was also on an interference crossing. The death might have been triggered by a strong surge of electric current since the parents' flat was in a power plant. The US scientist Egon Eckert has recorded many cases where surges of current above subway stations have been responsible for cot deaths. Electric appliances, boilers, TV sets, freezers next to, behind a wall or on the floor below can also have bad effects. The same goes for fluorescent lights, cassette recorders, radios and radio-and-battery-operated alarm clocks next to one's bed.

As a baby Veronica kept running a temperature and developing angina, whatever medicine she was given. She had to go back into hospital again and again. Once her bed was moved she recovered in a matter of days. Her doctor confirmed that she is now fit and well.

A young mother felt absolutely exhausted and in despair because of her two naughty boys. She implored God: "Almighty God, help me, I cannot go on like this. I am at my wits' end!" and her prayer was answered. Only two days later, by a stroke of good fortune, I was able to find the harmful cause. At 10 o'clock at night, the boy whose bed was above an interference crossing, would begin to toss and turn, throwing his arms about as if he were demented. This was the time the boiler on the other side of the wall would begin to heat up. After their beds had been moved both boys slept soundly. Their health, as well as their behaviour, improved. The mother wrote: "We are now a happy family".

A letter from a mother led to my starting to investigate the homes of my pupils. I could no longer stand idly by once I'd realised that in many cases I was able to help pupils who were ill or had learning difficulties. At that time I was at a Secondary Modern School, teaching Math, Sculpture and Shorthand. The mother of ten-year-old Monika wrote that her daughter had been sick in the night. During lessons, too, Monika often had to leave the classroom because she felt

unwell. I would advise all parents not to send their children to school when they are ill. I asked Monika: "Have you already been to see your doctor?" "Yes", she replied, "but the doctor said that he couldn't help me as he had already tried all kinds of medicine without any success. Non did me any good. According to him all I had was a nervous stomach."

I felt terribly sorry for Monika and had a word with her mother. She asked me to investigate her children's bedroom. I asked her not to tell me which bed Monika slept in. Here, too, it was the same as always: Monika's bed was above water and a Curry Crossing. She was always ill and a total failure at school. Her brother's bed was in a good place. He was well-built, tall, and did well at school. I recommended converting the two beds into a bunk bed so that Monika could sleep

above her brother, i.e. in the good place. A few days later Monika told me, eyes aglow: "I now sleep very well". She soon recovered and became a good pupil. In subjects which rely on a good memory, improvement is often noticeable within a very short time. In Maths and foreign languages however it does of course take longer to catch up.

Georg was a bed-wetter. For seven years no doctor had been able to help him. However, an investigation of his parents' flat soon solved the riddle. Georg slept on a crossing of two interference zones (figure 3). He was small for his age -- irritable and nervous on getting up. His four brothers all

slept in bunk beds which were in good places. They were healthy and well-built. Their mother asked me reproachfully: "Why don't doctors and teachers tell us anything about the harmful effects of these interference zones?" The first time she had learned anything about this was when she'd seen a TV programme I had appeared in. As Georg's kidneys were already affected, it took another six months after moving the bed before he was fully restored to health. With other bed-wetters -- all of whom lie on interference zone crossings -- a cure can often be immediate -- and often simply by moving the bed at random.

After having helped many pupils to better health and better results at school by finding good sleeping places for them, I took my drawings and my evidence to the Director of Educational Services in Salzburg and told him about my work as a dowser. As a result I was commissioned by the Pedagogical Institute of Salzburg, i.e. by the ten leading educationists of Austria, all of them members of the Board -- and the vote was unanimous -- to do the necessary basic research on the topic "Failure at school as a possible result of geobiological influences in the home and at school". This enabled me to carry out my dowsing work throughout the Province of Salzburg and also to give lectures to teachers. It was not long either

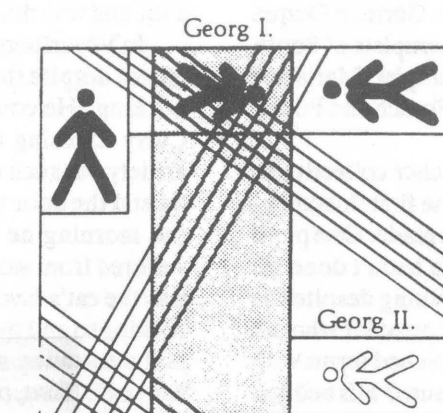


Figure 3.

Georg I -- the original place of bed.
Georg II -- the new place of bed.

before I was invited to give lectures in the other provinces of Austria. After the lectures I was asked again and again to investigate the sleeping- and work-places of problem pupils. In doing so I amassed a veritable wealth of experience. I noted down the results of my investigations, together with scale drawings of 1:50. Again and again it emerged that pupils who were always tired, those who were the slowest, those who had the greatest difficulty in concentrating, those who were the most forgetful and the most difficult, and those who were always ill, were all victims of interference zone crossings. The results of this pioneering, empirical and scientific work with its many vivid reports and its accurate drawings were first published in 1976 in my book "Discoveries of a Dowser". This book has taken the world by storm and is by now in its 10th edition, having already been translated into several languages: into Spanish by a physician -- Dr. German Duque in Columbia, the President of the Neuraltherapists of South America; into English by the Psychotherapist Marianne Gerhart, in California, USA, and also into French and Portuguese.

In Upper Austria I was invited by a teacher collective to speak at a workshop and it was here that the first documentary on the subject of interference zones was made. One pupil had often to stay in after school because he hadn't done his homework and made no effort to learn anything despite the fact that he was quite intelligent. He was an outsider who did not fit in with the rest of the class and was on bad terms with many of his classmates. What was the real cause? His bed was on a double crossing, i.e. on a water crossing and a Curry Crossing. The poor boy would wake up in the morning worn out and in a bad mood, feel tired for most of the day, and quite incapable of learning anything. His school reports were accordingly bad. After moving his bed the boy slept better, returned to normal in a short while and his school performance improved.

In Lower Austria, 165 of my fellow teachers from two different districts turned up for one of my lectures. A teacher came up to me in the break and said: "The handwriting on one of my pupils has become completely illegible over the last few months and I'm afraid she'll soon be having a nervous breakdown. Could you please investigate her sleeping place for me?" The girl's bed was on an underground stream. On its own, an underground stream can account for tiredness, colds and rheumatism, but it is quite out of the question that lying on water can lead to a nervous breakdown. For that to happen, a Curry Net must be involved somehow. It was only when I checked the position of her desk at school that the mystery was solved -- it stood on a double crossing. This pupil used to instinctively move her desk away from the worst danger zone. By dinner time this pupil had moved her desk until she was only exposed to the harmful influence of the water. In every room, and of course in every classroom too, there are both good and bad places. We cannot altogether avoid all the various interference zones. What we can do, however, is to arrange for pupils to sit at a different desk every four weeks. I always ask teachers to introduce the concept of

a 'rolling class' so that no pupil has to spend a whole year sitting in a bad place. All that is needed anyway is for them to change rows.

In Carinthia, a teacher asked me after my lecture to help a girl who was always ill. Verena used to sleep with her head over a Curry Crossing and an underground stream. She had nightmares, screamed in her sleep, often ran a temperature and frequently had to miss school. She was very sensitive, small for her age and was often troubled by stomach ache and nausea . . . When once she instinctively slept the other way round, she slept better but lost her pillow because she had tried to move away too far. I suggested to her to sleep next to the door. A month later I received a letter from her mother saying: "Our daughter Verena is sleeping and feeling much better altogether." A year later I learned that she had grown a lot and was doing much better at school.

In Vorarlberg a 13-year-old boy was an absolute failure at school despite the fact that he was both intelligent and hard-working. He could not concentrate at all. His bed was on a Curry Crossing and an underground stream. His state of anxiety was such that during the night the light had to be kept on and the door to his parents' bedroom had to stay open. In the morning he felt giddy and had no appetite. He also suffered from worms. The place where he did his homework was the cat's favorite place. He would sit there, shaking and rocking to and fro, unable to learn anything. He often got up and went away saying: "Nobody's given us any homework anyway". That, of course, was just an excuse, a white lie. His parents were very worried. Finally they began to pray fervently and their prayers were answered. After moving his bed and giving him a different place for doing his homework 'everything', as they put it, was all right again.

I ended up having to investigate also the sleeping- and work-places of grown-ups whose health had failed to improve despite many years of medical treatment. In all these cases I found heavy interference zones.

In the Province of Salzburg, a doctor asked me to go and see a young farming couple who had been very ill for years. The husband suffered from cramp in his legs, pain in his kidneys and exhaustion. His wife suffered from severe rheumatism and hypertension. In these beds, both her parents had died of cancer at an early age. I advised them to move the beds to the other side of the room. Her immediate comment was: "That's exactly where my grandparents had their beds. They both enjoyed good health and lived to a ripe old age". The couple moved their beds straightaway, but suffered to begin with from reaction effects, i.e. for three weeks their condition and accompanying pain got worse, but then they made a complete recovery. It is extremely important for all to know that the last place to put a bed is where someone has already died of cancer.

With gout and rheumatism, interference zones are always one of the main causes, though diet is often a contributory factor. The head of an SOS Children's Village in Cochabamba in Bolivia suffered from gout and rheumatism because she slept in a bed exposed to strong interference. Her health

improved once her bed was moved.

It was in Tirol that I came across the most wretched person of all. Everybody said of her: "She's not all there". Even the doctor told me: "The fact is this woman only imagines she's ill!" Such comments, apart from being wrong, are also unloving and hurtful. This nice young woman was so sensitive that she was affected by all kinds of interference, including that from a TV set when switched on, despite the fact that it was 5 m away from her, at the other end of the house. The cancerous tree in the garden and the crack in the wall of the house had already indicated that interference zones were present. The last specialist she had consulted had confirmed that she was seriously ill. I recommended a place for her bed in the living room. A few months later I received a postcard: "I am now much, much better".

At an international conference on education in Salzburg we were shown a film about the Neuro Clinic. The effect on all of us was shattering. Afterwards, in the discussion, I said: "What I find particularly shocking is the fact that up till now so little has been done to inform people and help them to avoid the sad fate of ending up in a Neuro Clinic. In my experience so far with the mentally ill who had to be put into a Neuro Clinic, as well as in all suicide cases, strong interference zones were always present and these must at least in part be held responsible. Such was the case of the young secretary employed by a local firm of solicitors who one day had to be taken straight from her office to the Neuro Clinic." Another young woman used to feel freezing cold in bed, suffered from most severe depression, had migraine attacks which almost drove her out of her mind, had heart palpitations when lying in bed, suffered from nausea and had stomach ache. She was sent to the regional hospital for a thorough check-up and because they could not find the cause of all her troubles she was sent to the Neuro Clinic. There, too, they were unable to discover what was wrong with her. So they decided to keep her in for further observation. Fortunately her husband took her home, against the advice of the hospital. A neighbour gave her my book. Only then did she realise the connection between her severe illness and the interference zones. She asked me urgently for help. In her case, too, moving her bed led to a speedy recovery.

After reading my book, the German dentist and dental surgeon, Dr. Rossaint, invited me to spend a week with him in Aachen as a result of reading my book. He asked me to accompany him on a visit to those patients whose wounds had taken a long time to heal. All of them were found to be lying in strong interference zones. The last case of two I should like to discuss in greater detail: a dentist had been suffering from a very bad heart condition for as long as 17 years. A doctor advised him to undergo an expensive heart operation that would cost about £16,000, and without any guarantee of success. It was a good thing that the dentist had been unable to make up his mind whether to go in for this operation or not. Three weeks after moving his bed away from the crossing of interference zones he was already 50% better, so I learned from a letter he sent me.

Dr. and Mrs. Schoppenhauer from Bonn attended my lecture in Cologne and begged me to investigate their flat. The wife had a large malignant tumour in her gall duct which was inoperable. A naturopath managed to dissolve the tumour by homoeopathic injections and by insisting on a strict diet. The doctors at the hospital were amazed at this success. The naturopath urgently recommended an immediate investigation of the patient's sleeping place because in every case of cancer an interference zone crossing is a contributory factor. Only after having moved the bed to a good place was the patient able to make a complete recovery.

Here the patient felt decidedly comfortable, whereas in the bad places she felt a degree of discomfort. Everybody should take notice of and obey such 'hunches'.

A doctor and his wife asked me to come and see them in Berlin. The husband had a heart condition. His first wife just couldn't stand the stress of the double crossing of interference zones underneath their bed. So she left, subsequently divorcing him. His second wife constantly suffered from such severe stomach ache when in bed that she was on the verge of despair.

One of the reasons for many marriages breaking up, and a reason ignored until now, is that both partners are exposed to the harmful effects of interference zones as a result of which they are irritable and never really feel well. I know of many married couples who felt very much better after moving their beds and were able to forgive each other and live together again happily.

For years a musician had suffered from severe stomach ache. No doctor had been able to help him. Finally he went to see a surgeon who gave him a thorough check-up. "I'm not sure," said the surgeon, "whether your liver is responsible for your serious illness. I should first have to open you up." In despair, the patient said: "All right, open me up then". He did so. There was nothing wrong with his liver. But where did the constant pain come from then? From the double interference zone crossing!! A naturopath is able to detect which organ is defective without cutting his patients open, either by iridology, reflexology or by using a pendulum. By these methods a correct diagnosis can be made quickly and accurately. Such methods should also be learned by orthodox doctors as back-up methods and applied in cases which fail to respond to orthodox treatment.

After giving a lecture in Switzerland I was asked by a dentist to investigate the flat of some friends of his. Some time ago their 12-year-old daughter had developed a severe backache during a gym lesson and it had never gone away. She had already been to the hospital twice for a thorough check-up, but without result. For the last eight weeks she had been confined to bed with a cramp-like pain and her doctor had told her that he didn't think she was imagining her pain, but because no physical cause had been found he suspected that the problem must be a mental one and that he thought it best to send her to see a psychiatrist. Water and a Curry Crossing were the cause! Her bed was moved immediately. A few weeks later her mother wrote: "My daughter is well again!

She didn't need to go and see the psychiatrist! Our doctor too is pleased. You have completely convinced him!" Six years later I had a letter from the girl herself, together with a photo. "Every night," she wrote, "I thank God for my good sleeping place and for giving me good health. It makes my flesh creep when I think of the time when, for months on end, I tossed and turned in bed, racked with pain."

On the recommendation of Bishop Heinrich Forer I was invited to give a series of lectures in the Italian part of South Tirol. Here, too, just like in Austria, Germany and Switzerland, the audiences were open-minded and showed great interest. After each lecture people who were ill and at their wits' end kept coming up to ask whether I could investigate their homes. The husband in this particular family had toothache and a sore throat, whilst his wife suffered from a whole range of complaints -- from pain in the heart region, from operations to remove her appendix, and from diarrhoea and neuritis. Soon afterwards she wrote to me: "Since moving our bed we are both sleeping much better and I don't need any more sleeping pills!"

All serious illnesses I have found up to now to occur above interference crossings: twitching, tinnitus, facial paralysis, angina, asthma, heart attacks, strokes, inflammation of the kidneys, cancer (in more than 700 cases without exception) etc. Doctors say that our immune system is weakened by constant radiation so that, depending on one's constitution and the prevalent influences, different diseases can develop.

My own dear sister Barbara -- Sor Emerentiana, went to Bolivia as a nurse. She was especially interested in looking after the poor Indians and was very fond of them. I was privileged to support her work from Austria. Tragically she too fell prey to an interference crossing. When I flew over in 1972, all I was able to do was visit her grave. But I am determined even now to do all I can to help these people. When working as a dowser, instead of a fee, I always ask for a contribution towards helping the Indians. I myself live on my pension as a teacher. On my first world trip I visited Argentina, Bolivia and Brazil; on my second trip to USA, Peru and again Bolivia; and on my third trip Bolivia, Peru, Columbia, Mexico, the USA and Spain. I should like to thank with all my heart the well known doctor German Duque, M.D., of Columbia, for translating

my lecture and my books and also the well known doctor Enrique de Castillo, M.D., of Mexico, for publishing my paperback "The Good Place". I am more than pleased that through my lectures and books I have been able to spread the knowledge about the Good Place in Latin America as well -- knowledge which is of such great importance, and I sincerely hope that it will help many, many people.

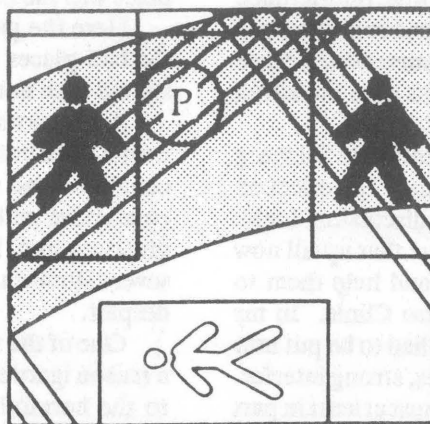
In San Ignacio in Bolivia, the headmistress of Domestic Science School asked me to investigate the sleeping place of

Rosa who had a liver complaint. Her bed was on water and a Curry Crossing. Rosa was ill most of the time and in the previous year had spent more money on doctor's bills and medicine than on fees for her place at the private boarding school, so the headmistress said, adding that she had considered sending her home. Another girl called Anna shyly came up to me and asked whether I would investigate her sleeping place which was in the next room and on the same underground stream and the next Curry Crossing. Anna was mentally ill! The headmistress said: "I didn't think interference zones were involved in Anna's case. I just thought she was a bit strange. All young people are a bit strange at time, but it doesn't last long." Later she wrote to me: "Both girls were found good sleeping places and were soon well again, happy and full of life."

After I had given my lecture in Lima in Peru, a young German professor on the staff of the Ursuline Grammar School asked me to help an 11-year-old pupil, Ivane. She had an allergy and no doctor had been able to do anything for her. She could never get to sleep before midnight. Her sister was in a similar state. Here too I found

water and Curry Net influences. I got everyone to carry out what I call the 'place test'. In the bad place 'P' (figure 4) they all felt uncomfortable, were aware of a slight vibration and some experienced pain. The professor confessed to feeling giddy, whereupon I got him to move away immediately. On the good place near the door everybody felt all right. I suggested putting a bunkbed there so that the two girls would have a good sleeping place. Three weeks later a latter arrived bearing the glad tidings that the girls had recovered.

From the very beginning I made a special effort to inform doctors -- in this case two young doctors in Argentina. I was able to convince them and they asked me to investigate the



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Figure 4.

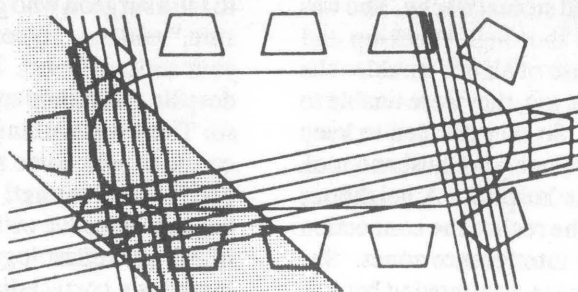


Figure 5.

home of their most unfortunate patient whom they were no longer able to help. She already had a serious brain disorder. At night she would scream with pain. Here, too, there was water and a Curry Crossing. Her bed was moved and I subsequently learned that the patient had less pain and had better nights. It proved to be too late, however, to save her and a year later she died.

In Sao Paulo in Brazil I showed my research material to a professor who worked in a hospital. I was able to convince him that what I had found out about earth radiation was true and he asked me for some practical proof. A young nurse who had been with them for six years was very often ill. In the mornings, especially, she would wake up with a headache, stomach ache and backache. Sister Lucia's bed was on water and a Curry Crossing.

Cardinal Dr. Franz Koenig of Vienna asked me to investigate their conference room. I plotted the precise location of all underground streams and Curry Lines (figure 5) and then advised him to use only the good places whenever not all assembly members were present. I then mentioned that many people feel uncomfortable in places above interference zones, finding concentration difficult and sometimes even collapsing or passing out. At times, people just get up and leave the room. I enquired whether anything like that had ever happened there. He replied straightaway: "Yes, it did. In this very armchair one of our bishops fainted and died on the spot". He was only 50 years of age. Though he was not all that well at the time, I'm sure he would not have died that day if, during the conference, he had sat in a good place. I deliberately show this as proof that there is no doubt that both the Catholic and the Protestant Churches consider working with rod and pendulum, when used in the service of mankind, to be a good thing. Unfortunately, there are some over-anxious people who think that any kind of work with a rod or pendulum is sinful. This is a dangerous heresy, because by such scaremongering tactics people are prevented from asking a dowser to find a good place for them. For seven years these people have been slandering me as well and have interfered a great deal with my radiesthetic work. It was because of this that I felt an urgent need to write my second book "The Good Place" -- a great help for health in body, mind and spirit. The Archbishop of Salzburg wrote a very pointed foreword and recommended my books and my dowsing of homes. He also warned, however, against the misuse of rod and pendulum. In the first chapter I try to examine the religious question in detail, quoting many Catholic and Protestant theologians. Then I cite some more interesting case histories. I also go more fully into the dangers of working with rod or pendulum and outline the methods one can use to protect oneself. This chapter is of particular importance for all who work with rod and pendulum. If a dowser fails to heed such warnings he runs the risk of falling seriously ill, of totally exhausting himself or of having a nervous breakdown. Finally, I write about the combined effect of various good forces, and also about the power of positive thinking and of sincere prayer. The response to this little book of mine has been most gratifying.

Like wildfire it spreads throughout the world, bringing to all its message of joy -- perhaps to you and your friends as well.

This is my entire research material. The dowsing reports of over 3,000 house and flat investigations in 15 countries, involving 12,000 people, have been conscientiously classified and filed in large ring-binders, in chronological and alphabetical order. From these, statistics were systematically drawn up. Here, too, is stored my correspondence with doctors, Ministers of the Church, educationalists, scientists, and with those who sought my help and were helped as a result -- together with letters from people all over the world who have read my books.

Well-intentioned doctors and scientists are welcome to examine my research material which has already been subject to thorough analysis and evaluated by Dr. Karl Fischer of Salzburg for his doctorate on "Radiesthesia and Geobiology". The result: it emerged as 'highly significant', i.e. very clearly, that people in bad places, especially on water and Curry Crossings, felt worse and were more prone to illness, and that those in good places were healthier.

In conclusion, I would beg you all not to be alarmed about the fact that there are places which can make you ill, but rather rejoice that in every house and in every room there are also good places where we all then have the chance of becoming healthier in body, mind and spirit. We should all relearn to pay more attention to the sensitivity of our body and our soul and let ourselves be guided by it.

This article was sent to us by Ilse Pope, 1 Garry Close, Romford, Essex, England RM1 4AE, phone (0708) 763809. Ilse has also sent us two books which she distributes:

EARTH RADIATION -- *The Startling Discoveries of a Dowser* by Kathe Bachler, (ISBN 0951415107), published by Wordmasters, Parkfield House, Parkfield Road South, Didsbury, Manchester, England M20 0DB, phone (061) 448-1895, list price £6.95.

EARTH CURRENTS -- *Causative Factor of Cancer and Other Diseases* by Gustav Freiherr von Pohl, (ISBN 3-7724-9402-1), published by Frech-verlag, GmbH + Co. Druck, KG, Stuttgart, Germany, price unknown.

Both titles are extremely thorough analyses of the effects of geopathic radiations on plants, animals and humans. The corroborating evidence is overwhelming.

A related title, **EARTHRAYS** -- *The Silent Killer?* by Harald Tietze is available from the author c/- Medicinal Herb Nursery, PO Box 34, Bermagui South, N.S.W. 2547, Australia, phone (064) 93-4552 (evenings). List price is AU\$14.80.

Borderland members who know of related titles and information are encouraged to send the information in so we can further promote this important subject.

BAU-BIOLOGIE AND SURVIVAL

Helmut Ziehe

As long as people have lived on this planet they have had to build themselves shelter. And, over thousands of years, they have not only managed to do so, but have created outstanding buildings at the same time.

What went wrong so that today we find conditions which make people, living in modern buildings, ill? Why should we have such problems? Why are we unable to relate our physical discomforts to the hazardous conditions existing in our homes and workspaces, or to our use of improper food or clothing? When such problems have been recognized, why are people so apathetic about taking the proper measures to bring about changes necessary to improving their survival?

Here is the medium to help people recognize the problems and find solutions to overcome them:

WHAT IS BAU-BIOLOGIE?

Bau-Biologie is a German concoction that can be as difficult for Germans to understand as it probably is for you. "Building Biology," the direct translation into English, does not fully clarify the term. In order to approach the subject with a proper definition let us explain the word as follows:

1. The study of the impact of building environment upon the health of people and the application of this knowledge to the construction of healthy homes and workplaces; and
2. The science of holistic interactions between life and living environment.

THE GOAL OF BAU-BIOLOGIE

Bau-Biologie, represented by a corporation known as IBE has taken on the challenge of actively improving our survival potential by:

- * **furthering** research, manufacturing and usage of biologically valuable natural products in the construction of homes and workplaces;
- * **furthering** research and implementation of production methods which are not dangerous and do not pollute the environment;
- * **recognizing** and promoting products and services which comply with the aims of Bau-Biologie;
- * **informing** the public about biological and ecological aspects of building activities;
- * **educating** interested people in the subject of Bau-Biologie with the intention to raise their awareness level in regards to the condition of their homes and work places as well as their ecological awareness;
- * **providing** data on Bau-Biologie at various learning levels so children can understand the basics of healthy building and living;
- * **joining** forces with other individuals and organizations who work in related fields;
- * **informing** official bodies and institutions (including local and federal governments) about dangerous building materials and construction methods and/or proposing biologically and ecologically acceptable alternatives.

Through these activities it is our goal to become a leading force to change the current trend that will otherwise lead to extinction. And every person of every nationality who has an

interest in creating healthier living conditions is asked to get off the fence and help to achieve that goal.

SOME HISTORICAL DATA

While the name of Bau-Biologie is now receiving favorable mention in many official papers, there were times when such comments were rather derogatory.

Bau-Biologie has already had an impact in Germany and German speaking countries as it has been active there for some 15 or 20 years. It has now expanded throughout European countries such as Italy, France, the Netherlands, where it is well established, as well as the Scandinavian countries.

Among the German pioneers in this field one must mention Hubert Palm, a medical doctor; Professor Karl-Ernst Lotz; wood technologist Professor Anton Schneider and Alfred Hornig, an expert in electro-biology.

There are also pioneers in America. Dr. Theron G. Randolph, Human Ecology Research Foundation, Chicago deserves mention. Richard L. Crowther, FAIA, an Architect from Denver has been working in this field since 1930. Ken Kern, a practical man, probably best known for his book, The Owner-Built Home, along with the scientists Tesla and Reich (who studied little known energy sources which have not been exploited to date) cannot be overlooked.

While many of us recognize their achievement in the areas of preventive medicine, ecological medicine, holistic planning and building-methods, as well as energy utilization and conservation, an impact on general thinking patterns is still lacking. It is hoped that Bau-Biologie might, with its "ecology-oriented value-system," create that effect. "Bau-Biologie came about from a more general concern for the health effects of people's surrounding," compared to the U.S. where "building ecology seems to have gotten its start over specific problems with indoor air pollution," as Carolyn Czichos-Aust puts it (see ENVIRON magazine, No. 6).

THE CONCEPT OF BAU-BIOLOGIE

A superficial contact with Bau-Biologie might leave you with the impression that Bau-Biologie is just a study of non-toxic building materials, clean indoor air, shielded electric installations, avoidance of electromagnetic radiation, and

radon, etc. While this is definitely a part of the picture there is another important aspect to it, as well.

The holisticside of the coin extends to other subjects such as ecology, biology, medicine, engineering, education, economy etc. In other words, Bau-Biologie is not a narrowly specialized subject. Interrelationship and synthesis are the special characteristics of this living subject which often combines isolated fields of study as no other does.

Prof. Anton Schneider, in his writings, points out the imbalance in the field of building. Ideally, Building Culture, Bau-Biologie, and Building Technology would all be of equal importance in the creation of a home or even a community. The reality of today, however, is enormous attention focused on Building Technology alone.

There is another factor: throughout the history of building dwellings it can be observed that people were building their own houses, often with the support of the entire family and the neighbors. They used materials and methods of building that had been proven effective and biologically healthy for centuries. In other words, everyone was basically aware of how to build a house.

Today the entire subject of building is totally detached from the users. And since so called experts have taken over (even though architects and builders don't like it said) the results speak for themselves. As long as technology is used to satisfy one purpose, the economy, our chances of reaching the needed balance are very slim.

It is exactly in this area that we find the real reason the for visible results in the field of building, living and housing development. Technology, part of any cultural activity, is meant to be subordinate to nature, life, and culture.

A building activity which disregards the basic needs of human life is schizophrenic and criminal. It is more than tragic that building and housing development activities are being regulated by law in our society: i.e. choice of location, choice of building materials, electrical installations, heating and cooling systems, requirements for the impregnation of timber, concrete floors, and vapor barriers, as well as licensing and recommending building materials that are toxic.

With this in mind everyone can see that not much help can be expected from government bodies and from industry, although their own survival is threatened since they are sitting on the same space ship "Earth." Thus the task of changing the decline in life quality falls on you and the growing number of people who realize the situation, are informing themselves and hopefully also will help do something about it!

Maybe nobody has ever suggested to developers and manufacturers of building materials to become ethical, to switch their goals from profit and performance orientation to health orientation. Maybe they can be convinced that no further products should be developed that have even the slightest chance of becoming a health hazard.

Let me illustrate this with dry walling. The product from a health standpoint could be acceptable provided the raw material (gypsum) used had a low radiation level. In the

process of manufacturing this building material that very fact is not being considered at all. The result? An increased level of radiation in your home and workplace which, when added to radiation stemming from other sources (radon, electro smog, etc.) may very well have a negative impact on your health. Ethically, in this context, it would mean that a company manufacturing plaster board should have a policy requiring its final product to pass a radiation check. But this is generally not being done.

The above might explain the concept of Bau-Biologie, but it also prompts the questions: What are the principles of Bau-Biologie; how does one go about applying the data; who would benefit from it, in what manner?

THE PRINCIPLES OF BAU-BIOLOGIE

It is not possible to cover this subject in detail within the scope of this article, but a list of the 25 principles below will be of great help in building a healthy house and in considering the ecological aspect of such a house, as well. At present almost every one of these rules is being broken or ignored. It is remarkable to see how far away we are from building according to human criteria.

The 25 Principles of Bau-Biologie

by Professor Anton Schneider

(Founder of the German Institut für Baubiologie und Ökologie)

1. Consider geobiology in the process of selecting building sites.
2. Locate habitations at a distance from centers of industry and main traffic route.
3. Have dwellings well separated from one another in spaciouly planned developments amid green areas.
4. Plan homes and developments individually, taking into consideration human aspects and the needs of family life.
5. Use building materials of natural origin.
6. Use wall, floor and ceiling materials that allow air diffusion.
7. Allow for natural regulation of indoor air humidity by the use of hygroscopic building materials.
8. Interior surface materials should allow air filtration and neutralization of air pollutants (using materials capable of sorption).
9. Consider the balance between indoors heat storage and thermal insulation.
10. Consider the balance between surface temperatures and air temperatures.
11. Use thermal radiation in heating, employing solar energy as much as possible.
12. Promote low humidity and rapid desiccation in new buildings.
13. Ensure that buildings should be neutral in odor or smell pleasant. Toxic fumes should be avoided.
14. Use light, illumination and color in accordance with nature.
15. Provide adequate protection from noise and infra-sound

vibrations or sound conducted through solids.

16. Use building materials which emit little or no radio-activity.
17. Preserve natural electric field conditions and physiologically advantageous ionization.
18. Refrain from altering the natural magnetic fields.
19. Minimize technical electromagnetic fields.
20. Restrict alteration of important cosmic and terrestrial radiation.
21. Employ physiologically designed furniture and spaces. Apply ergonomics.
22. Design shapes and proportions in harmonic order.
23. Neither construction nor the production of building materials should contribute to environmental problems and high energy costs.
24. Building and production methods should not contribute to the over-exploitation of limited raw materials.
25. Building activities and production of materials should not promote social damage through harmful side-effects.

Everyone can strive to apply these guide lines when erecting a new building or when remodelling an old one.

APPLICATION OF BAU-BIOLOGIE

Who needs to know about Bau-Biologie?

After hearing about all this information, one might wonder: How it could be applied and who should apply it? Obviously the professionals should use it, i.e. **architects, engineers** in the various fields of construction, **builders, heating technicians, electricians, painters, cabinetmakers** - actually, if people in the entire construction trade had at least a basic knowledge, the situation would improve remarkably.

But then, of course, any person who wants to live in healthy quarters needs to know the basics. For actually, if people in the entire construction trade had at least a basic knowledge, the situation would improve remarkably.

But then, of course, any person who wants to live in healthy quarters needs to know the basics. For **people who plan to build themselves a non-toxic home**, or renovate their old home or apartment, this information is imply a must - particularly as professionals with knowledge in this field are rare.

Medical doctors and everyone in the health care service need to know how the home environment can influence health.

There is a growing need today for retailers of biological building materials, including actual structural materials as well as finishing products. Very little material of this type is available in the US (and there will be an ever increasing demand). An important prerequisite for running such a business is knowledge in the field of Bau-Biologie.

There will be a demand also for local biological and ecological service centers. Such centers would conduct investigations of homes, offices, schools, kindergartens, and other buildings in order to detect hazardous and toxic building materials, electromagnetic radiation, radon, etc. For further information about such centers, you may contact the IBE office.

PLANNING AND DESIGN CRITERIA IN BAU-BIOLOGIE

In the process of planning and designing a biological home the following criteria ought to be considered:

1. **Selection of a proper site**, including analyses of the soil and of the geophysical condition (e.g. distorted underground energy fields and water veins) apart from the more obvious ones as mentioned in the 25 Principles of Bau-Biologie.

2. **House design** which takes into consideration climatic factors (prevailing winds, temperature, solar orientation), lifestyle, and orientation of rooms according to their functions.

3. **Energy aspects** which include the utilization of solar energy, heat and energy conservation, thermal insulation. Insulation materials need to be efficient, but must not release toxic gases or harmful particles into the air.

4. **Heating, ventilation and air filtration** where emphasis is put on radiant heating rather than on convection heat distribution; where a sauna-like heat storage facility could serve as a family health center; where natural ventilation is promoted but, if not sufficient, will be supplemented by an efficient artificial ventilation; where ordinary air filters are replaced by high tech alternatives such as non-ionizing electronic filters.

5. **Electrical installation** with particular emphasis on avoiding electromagnetic fields -- especially in areas of the house where people remain in one spot for a longer period of time (bed, work area). This may be achieved by using shielded and grounded wiring, grouping appliances and locating them away from sleeping and living areas and by using circuit breakers that shut off circuits when they are not in use.

6. **Selection of proper building materials** (both structural and finishing materials). Such materials must enhance the ability of the building to "breathe." Natural building materials such as untreated wood, clay bricks, cork, wool, sisal, coconut fibers, etc. usually have the ability to exchange humidity, heat, and fresh air with the exterior, and to maintain proper ion levels as well as absorbing air-borne toxins.

7. **Light, illumination and color**; architectural acoustics and sound. Having the right illumination (light temperature, spectral range, intensity, etc.) at the right spot is as important for your well-being as shielding unwanted noise from inside or outside the home.

8. **Furniture and interior design**. The emphasis is on proper proportions of furniture as well as on using materials which does not out-gas and create static electricity.

With the Principles of Bau-Biologie and the Design Criteria under one's belt one should not only be able to avoid the most obvious mistakes in modern building construction but create a home with living qualities far superior to those of the average home today. Architects and builders should be knowledgeable in this field but home owners ought to be at least aware of them in order to instruct builders and architects.

The result of utilizing those data in the creation process of a "healthy home" can hardly be uniformity. In actual fact

the variety is remarkable. Both architects and laymen in Europe and in the US have experimented in this field and created very interesting homes.

SUMMARY AND CONCLUSION

In concluding our journey through Bau-Biologie it might be a good idea to spend a few moments on the current situation and on the behavior pattern of *homo sapiens* in this context. It might make you aware of the fact that we have actually caused the whole situation ourselves -- and are continuing to do so. In other words, there is an environment which we have created and continue to create, which influences our well-being adversely. In actuality, it is more like a threat of extinction. One should recall that life and environment are interacting according to natural laws; if we disregard such laws destruction and confusion will take over. Both can manifest themselves in a variety of forms.

Many words have been said and written about our misconduct and the results of effects of this misconduct on our personal lives as well as on the life of the entire planet. Most people, when asked, have heard about the dangers of asbestos, formaldehyde, pesticides, insecticides, preservatives and what not. Yet such pollutants continue to be used, laws are passed which protect polluters, or even force you to apply toxic chemicals to your building if you want to have a mortgage!

If the situation is so urgent why, do you think, not much of a positive impact is occurring? You would expect to see people mobilizing forces in themselves which they didn't even know they had -- something similar to actions which arise often in situations of danger (such as flooding, earthquakes, imposed war, etc). There might be a number of reasons for the lack of mobilization and grass root movement:

1. Most people don't realize it is so urgent, and those who do often lack the means and power to make it sufficiently known. Those who know and have the power to make it known, don't as this could result in a financial loss.

2. Also, the whole issue is rather complex (or has been made to appear complex), for the majority of people not comprehensible.

3. There is a lot of controversy involved which is the result of false data, ignorance, vested interest, and also of solid evil intentions.

4. There are changes involved and most people do not like to make changes (can you imagine persuading the average housewife to avoid most of the plastic in her household?).

5. In times of severe stress all areas of life are being reduced to one single factor: SURVIVAL. Although the consequences of our environmental performance are as final as the explosion of atom bombs -- and many people share this viewpoint -- the majority of people, however, do not see it, do not want to see it, or are playing it down.

6. The effects on people and on the environment of our hazardous living conditions (such as usage of toxic building materials or the applications of wrong technologies) are very

often obscure. There is a long incubation time and the problems might be caused by the combined impact of several things rather than just one toxic substance or system. When the effects occur in the form of illness it is very difficult to actually trace the source of it.

Example: It is accepted that the elderly are feeble, likely to have arthritis, allergies, heart problems, have to use a cane or wheel chair and need medical treatment until they die.

Now, suppose somebody came along telling others that one could actually live a healthier and more productive life. One would expect that people would be eager to learn and apply the data. What if they understood that their life and health would improve and they would help to cut down on environmental deterioration if they would:

- * eat food that is beneficial to the body,
- * exercise regularly,
- * live in dwellings that are made of unadulterated materials and systems,
- * work in quarters which are not polluted,
- * wear clothing of natural fibers,
- * sleep and work in electromagnetically undisturbed areas.

But people do not act. And I dare to say that they don't change unhealthy habits even if they are struck by cancer or something similar life-threatening. How much survival potential, do you think, a society has, which shows a behavior like this?

We are dealing here with a mental problem which can be solved. In the meantime, however, or even parallel with a mental solution, we must begin to improve our environment, start to build 'healthy' homes and workplaces, eat nutritious food and exercise.

Those people who are alert enough and willing to improve their own and their family's health, or who might even want to extend their influence to local and federal government levels will find sufficient information around. It is not very organized and will often cover only a little area but it is available.

And this is where Bau-Biologie enters the scene. It might be easy to get overwhelmed by the amount of data with the result of skipping the attempt to build healthy. Bau-Biologie or the International Institute for Bau-Biologie and Ecology in Clearwater, Florida wishes to offer you assistance. There is a correspondence source available which will give you basic knowledge of the subject and ought to be the starting point for building a house or entering a professional career in one of the many facets of Bau-Biologie.

I urge you to become active and contact us. Maybe you can contribute by telling us about the availability of good or acceptable biological products or by started a local Bau-Biologie Service Center, or by simply becoming a member of the Institute. We have a newsletter and a catalog list of books and videos of related titles.

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Effects of 6-10 Hz ELF on Brain Waves

David S. Walonick

Minneapolis, MN, May 1990

There is evidence that ELF magnetic waves can affect brain waves. This set of experiments was designed to study the effects of ELF rotating magnetic fields on the brain.

The specific ELF frequencies I was interested in studying are 6-10 Hertz. These frequencies are the same as those produced by the human brain in the theta and alpha states. Generally, specific brain wave frequency ranges can be associated with mood or thought patterns. Frequencies below 8 Hertz are considered theta waves. While these seem to be some of the least understood frequencies, they also seem to be associated with creative, insightful thought. When an artist or scientist has the "aha" experience, there's a good chance he or she is in theta. Alpha frequencies are from 8 to 12 Hertz and are commonly associated with relaxed, meditative states. Most people are in an alpha state during the short time immediately before they fall asleep. Alpha waves are strongest during that twilight state when we're half asleep and half awake. Beta frequencies (above 12 Hertz) coincide with our most "awake" analytical thinking. If you are solving a math problem, your brain is working at beta frequencies. Most of our waking hours as adults are spent in the beta state.

A question of importance is: "If we can electronically shift the brain wave frequencies to alpha or theta, will a person's moods or thought patterns change to those commonly associated with those frequencies?" In other words, if we can electronically move a person's brain waves to the alpha frequencies, will they become more relaxed? Will their state of consciousness change to coincide with their brain waves, even if those brain waves were electronically induced? These are important questions with far reaching implications.

When I began these experiments, I was well aware of the possible ethical implications involved in ELF research. For example, if I were carrying an ELF transmitter operating at alpha frequencies, would the people around me be affected as well? Would they unconsciously gravitate toward me because they'd become more relaxed as they moved closer to me? Would they like me more because they felt "good" when they were around me? What if a salesman were carrying an ELF transmitter? Would people be influenced to buy something because they were more relaxed around the salesman? Could entire populations be influenced to be comfortable with ideas they would normally reject? These, and many others, are serious ethical considerations involved with ELF research. They cannot be taken lightly.

I decided to undertake this research with full knowledge of the ethical implications. While there is the potential for misuse, a desire for knowledge and understanding are part of being human, and the potential benefits to humanity are great. What if we could treat depression, insomnia, anxiety, stress and tension with ELF magnetic fields? What if we

could increase intelligence or improve learning? As in any scientific endeavor, there are both positive and negative potential uses for any discovery. One only need look at the development of atomic energy to understand the benefits/misuse dichotomy. It is my personal belief that the potential benefits to humanity justify the research.

I began by collecting all the available research on ELF fields. Lana Harris, a secondary research specialist, did an excellent job in acquiring virtually all the available research in this area. In addition to a multitude of published journal articles, several military and NASA research reports were ordered. A review of the research showed that most studies had been performed to determine the effects of 50-60 Hertz high voltage power-line fields. Since these are the frequencies of most of the world's electrical power distribution systems, the importance of understanding the effects on plant and animal life are evident. To a much lesser degree, a few researchers had concentrated on lower power and lower frequencies (the focus of this study).

EQUIPMENT

The equipment required for this research was easily attainable, with the notable exception of a stable frequency counter with .01 Hertz resolution. Accurate frequency measurements were essential for this research, so I designed and built a digital frequency counter capable of measuring frequency to the hundredth of a Hertz (plus or minus .005 Hertz). A 100 KHz crystal Colpitt's oscillator (calibrated with WWV) was used as a time base and divided by ten to the seventh power to attain the desired resolution.

Other equipment used is: a Biosone II Brainwave Monitor and Myosone 404 EMG Monitor (Bio-Logic Devices, Inc., 81 Plymouth Rd., Plainview, NY 11803); a Model 3011 Digital Display Function Generator (BK Precision Dynascan Corp., 6460 West Cortland St., Chicago, IL 60635); and IBM PC compatible computer with a clock speed of 7.16 MHz (the faster the clock speed the better); a SAC-12 A to D signal acquisition board (Qua Tech, Inc., 478 E. Exchange St., Akron, OH 44308); a Cudas II video board and software release 3 (Dataq Instruments, Inc., 825 Sweitzer Ave., Akron OH 44311); a Fluke 77 digital multimeter (John Fluke Mfg. Co., Inc., PO Box C9090, Everett, WA 98260); and StatPac Gold statistical analysis software (Walonick Associates, Inc., 6500 Nicollet Ave. S., Minneapolis, MN 55423).

The transducer was a 24" diameter hand-wound coil, consisting of 1000' of #25 magnetic wire. The coil had a DC resistance of 32.4 ohms. It was mounted on a 26" square piece of bakalite board for stability. Two dowels were mounted with plastic ties onto the board so they extended 24" from opposite sides of the board and the entire apparatus was secured by two microphone stands.

EXPERIMENTAL DESIGN

All twenty-two subjects were friends or acquaintances of the author. There was no remuneration to participants. The excitement or novelty of participating in a brain wave research experiment seemed to provide sufficient reward in and of itself.

Subjects were sent a pre-experiment letter briefly describing the intent of the experiment and what they could expect. They were asked not to use any drugs or alcohol for 24 hours before their appointment, and not to wear any metal jewelry. (It was thought that metal jewelry might distort the magnetic field, thus creating uncontrolled inconsistencies between subjects.)

Upon arrival at the laboratory, participants were given a short orientation to the procedure and any questions they had were answered. They were hooked up to the EEG monitor (frontal to occipital, midline) and then allowed to listen to a relaxation tape for five minutes. The purpose of the relaxation tape was to establish a "relaxation level" baseline and to relieve some of the anxiety associated with the experiment. At the end of five minutes, the headphones were removed and the subject was told they were at a relaxation level of 5 on a scale from zero to ten (0 being very tense and 10 being very relaxed). This was the baseline they were to use for reporting their relaxation level following each ELF exposure. Subjects were told that they could choose to stop the experiment at any time.

Each ELF exposure consisted of a ten second, sine-wave transmission separated from one another by 45 - 60 seconds of no exposure. The voltage fed to the coil was 3.1 VAC (RMS). The coil was positioned 18" in front of the subjects head.

The outputs from the ELF transmitter (function generator) and the brain wave monitor were fed directly into the computer A to D board, allowing both to be displayed on the computer monitor (and recorded on disk) simultaneously. The sampling rate of the A to D converter was set at 2000 samples per second for the entire experiment. This was sufficient to visually detect differences of .1 Hertz between the ELF and brain wave frequencies. Subjects were not told when a transmission was beginning. However, at the end of each transmission, they were asked to "report". This was their current relaxation level based on the zero to ten scale. They also reported any feelings they had experienced and these were recorded verbatim.

Twenty-one frequencies were presented to each subject (from 6 to 10 Hertz in increments of .2 Hertz. For half the subjects, these frequencies were randomly selected. For the other subjects, they began at 10 Hertz and were decreased by .2 Hertz with each transmission. Subjects were not told the order of frequencies that would be presented to them.

Post acquisition software was used to visually examine the coherence (frequencies) and synchronously (phase relationship) between the transmitted ELF and prominent brain waves.

RESULTS

Examination of the computer data revealed substantial differences between subjects. Some subjects showed lock-on (entrainment) over a wide frequency range, while other subjects showed no lock-on whatsoever. In general, lock-on occurred most frequently from 8.6 to 10 Hertz and less frequently below 8.6 Hertz.

One subject displayed lock-on for all frequencies from 7.4 to 10 Hertz. Two subjects displayed no lock-on over the entire frequency range. While I did not test a sufficient number of subjects to be statistically significant, I suspect that susceptibility to ELF entrainment follows the normal (bell-shaped) curve. At this time, I do not have any hypothesis that would allow us to predict who is susceptible and who is not.

Several interesting observations were readily apparent.

Lock-on generally occurred very rapidly... within a quarter of a second in most cases. If lock-on did not occur at a specific frequency in the first second, it didn't at all.

When the brain did lock on, the amplitude of the brain waves increased to nearly double their normal size. This is typical for naturally (non-ELF) produced alpha patterns.

The brain locked on to higher frequencies (9-10 Hertz) more readily, and maintained the lock-on for the entire duration of the transmission. As the frequency was lowered (below 8.6 Hertz), lock-on for most subjects occurred in bursts, rather than being continuous. For example, there might be immediate lock-on for two seconds; then the brain would "fight" the ELF frequency for a quarter of a second, and then lock-on again for another few seconds, etc.. I use the word "fight" because it looked like the brain was fighting the ELF to maintain its own frequency. The "fight" was characterized by low amplitude beta frequencies in the 15-20 Hertz range. These may, of course, have simply been analytical type thoughts, but they were not observed when the frequency was in the 9-10 Hertz range. This "fight" became more frequent as the frequency was lowered, until no lock-on was observed at all.

None of the subjects were able to consciously detect the presence of the ELF field. One female subject was able to detect whenever the field started or ended, but could not accurately say when if it was on or off at any given time. In other words, she was able to detect the change in the magnetic field, but not the presence or absence of the magnetic field itself. She thought she felt it because it aggravated her sinuses.

When lock-on occurred, the brain waves lagged behind the transmitted ELF. This appeared to have been the "reaction time" of the brain to the ELF waves (approximately 60-80 milliseconds). More accurate experimentation is needed to explore this relationship.

Subjects verbatim reports were quite revealing. (Keep in mind that none of the subjects actually said they felt the ELFs.) The most common verbatim reports occurred between 8.6 and 9.6 Hertz. Common statements were subtle

"tingling" sensations in the fingers, arms, legs, teeth, and roof of the mouth. Two subjects reported a "metallic" feeling in their mouth. One subject reported a "tightness" in the chest and another subject reported a "tightness" in the stomach. Several subjects also reported sensations when the ELF frequency was between 6 and 7 Hertz. The verbatim responses in this range were "ringing" in the ears, "flushed" face, "fatigued", "tightening" in the chest and "increasing" pulse.

Lock-on occurred at lower frequencies more often when the transmitted frequencies were progressively lowered, rather than randomly presented. It would seem that the brain prefers a gradual lowering of frequency rather than a sudden or abrupt change in frequency. This may have been due to the extremely short duration of each transmission (10 seconds). It may be that this effect would disappear if longer transmission times were used.

There was no significant correlation between subjects reported level of relaxation and the ELF frequency or the occurrence of lock-on. Again, this may have been due to the extremely short duration of each transmission.

SUMMARY

It is clear from these experiments that brain waves do in fact lock on to artificially produced ELF's in the 6 - 10 Hertz range. It is equally clear that the 10 second transmission was not sufficient to alter subjects moods to any consistent degree.

ADDITIONAL OBSERVATIONS

Since my original experiment, I have continued to study the interaction of ELF's and brain waves. These mini-experiments were conducted more informally than my original experiment and the observations are based on only one or two subjects. They should be considered only observations until confirmed by additional study.

1. A sine wave produces lock-on more readily than a square wave or a triangle wave. A sign wave output produces a rotating magnetic field where there is a gradual build up, collapse and reversal of the field intensity. A square wave output produces a pulsed alternating magnetic field where the build-up, collapse and reversal of the magnetic field is more abrupt.

2. The brain is sensitive to a wide range of intensities. I have observed lock-on with power settings down to one half of a milliwatt.

3. Psychics and "sensitives" are neither more or less prone to lock-on than anyone else. I have tested two well-known psychics and a Kahuna from Hawaii. While all three subjects produced more alpha than usual, it was not related to the ELF generator and they did not show unusual lock-on. It is interesting to note, that the woman who could "feel" when the field switched off and on (in my first experiment) was one of these psychics.

4. Extended exposure to ELF's does alter moods, but the

effect is subtle. I was not able to duplicate the "dramatic psychoactive" effect that Robert Beck has reported. Low frequencies (below 8 Hz) seem to produce a general agitation or uneasiness, while higher frequencies (8.6-10 Hz) produce a general feeling of relaxation. These are not profound effects like drug induced mood changes. The subject is not aware of any change in his consciousness or mood. From his perspective, nothing has changed. However, an outside observer can detect subtle changes (e.g. body movement). I have confirmed this by monitoring muscle activity with an EMG monitor.

5. I have exposed myself to ELF's for one and two hour durations and have found that the frequencies from 8.6 to 9.8 Hertz to be sleep inducing; however, it is impossible to eliminate the placebo effect from experiments I performed on myself.

6. I built and distributed several portable ELF generators for testing. I have received many reports that indicate that falling asleep with the ELF generator operating is probably not a good idea. People don't feel rested when they sleep with the ELF generator on. My personal experience supports this. ELF's may inhibit dreaming which is necessary for normal brain functioning.

7. I have found three definite beneficial uses for the ELF generator: a) for relaxation, b) to eliminate jet lag, and c) the elimination of seizures in a dog.

THE STORY OF MAYNOOTH

Shortly after completing my first experiments, my neighbor's dog began to have seizures. Maynooth was a one year old, 190 pound Irish Wolfhound. His seizures were occurring four to five times a week. A seizure by a 190 pound dog is not a small affair. He would trash around wildly with no awareness of his surroundings. The seizures would last 10-30 minutes.

My neighbors took Maynooth to the vet, who prescribed phenobarbital to control the seizures. The drug was not effective and Maynooth continued to have regular seizures.

After discussing Maynooth's condition with my neighbor, we decided to try a portable ELF generator that Maynooth could wear to control his seizures. Seizures are accompanied by wild fluctuations in brain wave activity. We hypothesized that a portable ELF generator could control the seizures by stabilizing Maynooth's brain waves. If we could get Maynooth's brain to lock-on to an ELF frequency, we could in effect, eliminate the seizures.

I constructed a portable ELF generator about the size of a pack of cigarettes. The ELF generator was powered by a nine volt battery and had two frequencies, selectable by a toggle switch (10.0 Hz and 7.83 Hz). The 10 Hz frequency was chosen because previous experiments had shown that lock-on was more likely to occur at higher frequencies (i.e., closer to the prominent frequency of the brain). The 7.83 Hz frequency was chosen because it is the resonant frequency of the Earth and naturally occurring low intensity magnetic

radiation can be detected at this frequency (Schumann, 1952).

The schematic for the portable ELF generator is illustrated. It is a twin-T oscillator followed by a high power 386 amplifier. The twin-T was chosen because of its high stability and low distortion sine wave. Construction is straight forward and the placement of parts is not critical. All parts are readily available. The two 10K frequency adjustment pots should be 10-20 turn trim pots to allow precise frequency adjustment. The 10K output level adjustment pot should be set so that the output feeding the coil is less than 100 milliwatts to comply with FCC regulations (I set Maynooth's to 10 milliwatts). The coil itself is not critical and can be wound on any iron core. Use only an alkaline or nickel-cadmium battery.

Maynooth began wearing the generator in the spring of 1988. We tried the 10 Hz frequency first. The results of the experiment were astounding to say the least. Maynooth's seizures stopped immediately when he began wearing the generator. Furthermore, Maynooth was able to completely stop taking the phenobarbital and the seizures have remained in remission.

For the first three months, Maynooth wore the generator all the time in a cloth pouch from his collar. After that, the generator was only used at night and simply placed near his sleeping area.

Maynooth has had a total of three seizures following his first use of the generator. Two of these could be traced to malfunctions with the generator. The first was a broken wire from the battery connector and the second was a dead battery. The third seizure could not be explained by a hardware malfunction, although Maynooth was only using the generator during the night and the seizure occurred during the day. It should be noted, however, that this seizure was mild in comparison to his prior episodes.

Maynooth's owners were so convinced of the efficacy of the ELF generator, that they asked me to make a spare generator in case the one they had broke. Maynooth's vet (at the University of Minnesota) showed curiosity in the generator, but not enough to explore it further. He preferred to remain with a drug treatment, even though it had proven to be ineffective. Fortunately, Maynooth's owners had more sense.

Maynooth still uses the ELF generator in his sleeping area at night. The rechargeable battery is charged during the day so it is fresh each night. (The battery lasts about 6-8 hours at a 10 milliwatt power setting).

Andrija Puharich's Watch

Dr. Andrija Puharich sells a watch that he claims will work as a shield for ambient high frequency ELF's (40-100 Hz). An important feature of this watch would include shielding from 60 Hz power lines.

I had the opportunity to try one of his watches for a few days. The owner was quite reluctant to part with it so I had to run all tests over just one weekend.

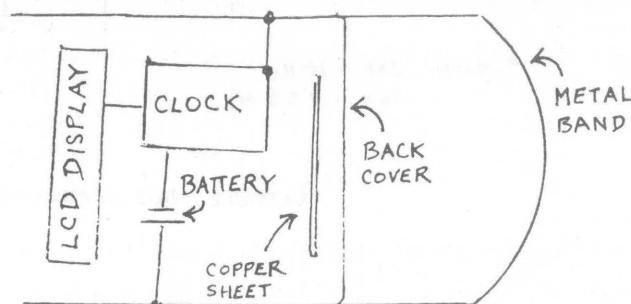
It is quite easy to monitor ambient 60 Hz radiation being absorbed by your body. Simply touch the probe of any oscilloscope and you can watch the 60 Hz wave. Your body is acting as an antenna and the amplitude on the oscilloscope is an indication of the amount of radiation you're absorbing. I found no difference in the amplitude when I was wearing the watch or when it was removed by a distance of four miles.

I attempted to determine if there was any measurable magnetic output from the watch. I used a large roll of magnetic wire as a pickup coil and connected it to the input of an EEG monitor with five microvolt sensitivity. The EEG voltage was fed directly to the A to D board of the computer. The equipment was tested for proper functioning by bringing a magnet in proximity to the pickup coil. A weak magnet moving within six inches of the pickup coil would drive the EEG monitor into saturation. The watch was placed against the coil but I could not pick up any magnetic fields from the watch. This surprised me because I was using very sensitive equipment and the watch had to be producing a magnetic field because it was using a battery. Anytime there is a current flowing (even the small current required to power a watch), there is always a magnetic field created. Either the watch was cancelling its own magnetic field or my equipment was not sensitive enough to measure it. (It turned out to be the latter).

The final test was to hook myself up to the EEG monitor while I was wearing the watch. The output was fed into the computer so that I could do posthoc analysis. I wore the watch for 15 minutes and recorded my brain waves. The incidence of beta and alpha frequencies was not different from my "usual" brain waves. I could not substantiate Puharich's claim that the watch would act as a filter with a center frequency of 10 Hz. This particular finding may not be accurate because my excitement with the experiment may have inhibited the alpha centering that Puharich refers to.

Since I had told the person I borrowed it from that I'd take good care of the watch, that precluded the idea of disassembling it. I carried the watch with me in my backpack that weekend. As luck would have it, the back cover of the watch fell off and I got to examine the inside.

It is a digital "over-the-counter" type watch. As far as I could tell, the watch was normal in every way except that there was a square sheet of copper (about 1 cm square), wrapped in plastic packing tape inside the back cover. The tape was obviously used to insulate the copper from the electronics of the watch and the back cover. The watch could be pictorially illustrated as follows:



With the copper removed, my equipment could still not detect the magnetic fluctuations produced by the watch. If the copper sheet does do anything, my equipment was not sensitive enough to measure it. This indicates that the amplitude of the magnetic field produced by the watch was very low, probably around the amplitude of the naturally occurring magnetic fluctuations of the earth.

I do not know whether Puharich's watch works. It did not reduce the electromagnetic radiation that my body was absorbing, nor did it alter my brain wave pattern in any way I could detect. My current understanding of ELF's, electronics and magnetics does not provide a theoretical foundation for the efficacy of the watch.

Electromagnetic Pollution

When I began my research, I was only interested in the effects of ELF's on brain waves. I have since come to believe that ELF's are only the tip of the iceberg.

Electromagnetic radiation may be the most harmful pollutant in our society. There is mounting statistical evidence that cancer and other diseases can be triggered by electromagnetic waves.

ELF pulse-modulated radio waves work at the cellular level. Cancer and birth defects have been increasing in this country since about 1950 (as television became popular). The average resonant frequency of the body is around 82 MHz. It is no coincidence that this is near the middle of the VHF TV band.

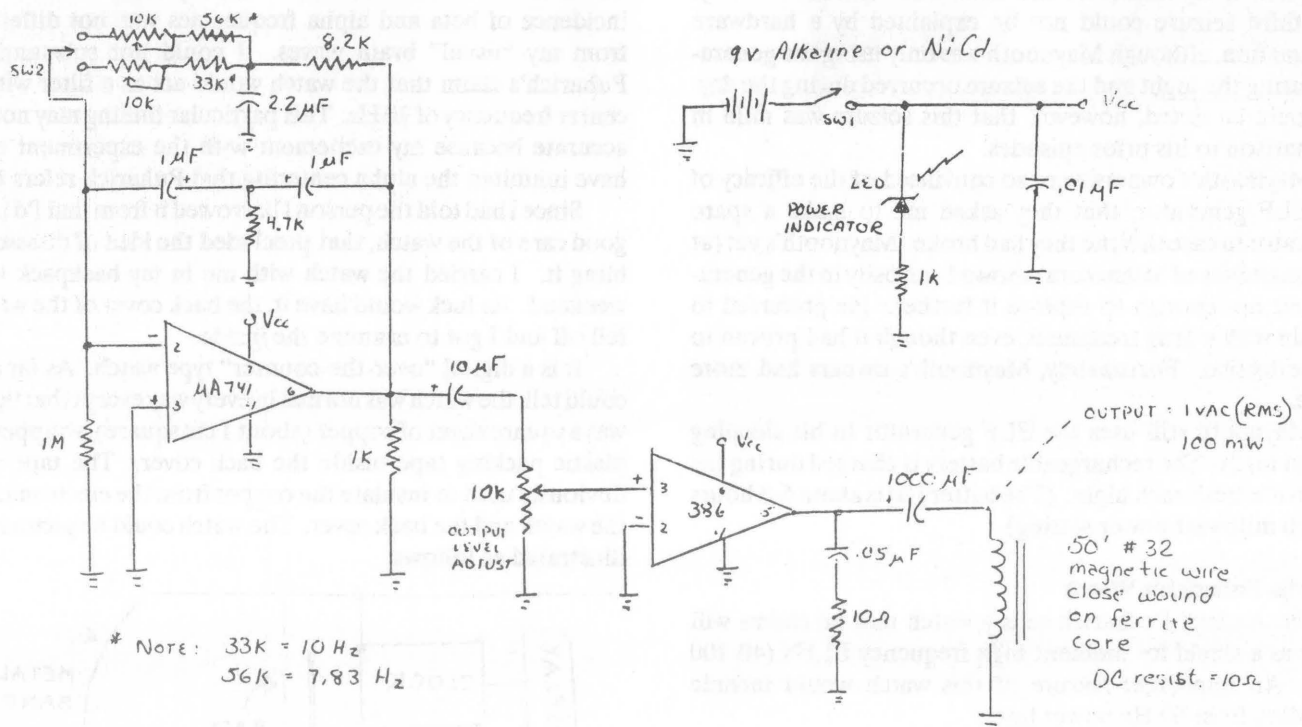
Even low intensity 60 Hz fields are capable of causing DNA damage and weakening the immune system. Cancer cells exposed to 60 Hz electromagnetic fields for 24 hours show a sixfold increase in their growth rate.

The evidence is becoming overwhelming that cellular functions can be switched on and off through frequency specific electromagnetic radiation that induces nuclear magnetic resonance in the cell. We may find that many diseases can be caused or cured by frequency specific radiation that is ELF pulse modulated.

In our technological society, there are few places to go where you will not be exposed to electromagnetic radiation. Television, radio and microwave radiation are abundant in all metropolitan areas. High voltage 60 Hz power lines crisscross the country. Microwaves (one of the most dangerous) are becoming increasingly common. The FCC has started to grant licences to use microwaves for cellular phones.

The powers that control the energy and communications industries will stop at no end to prevent the public from learning the truth. Their financial health depends on it. Since the military is one of the largest producers of high power electromagnetic radiation, it is not likely that we can count on government intervention.

We have probably reached a point where the only solution is in the form of a portable shield device. ELF generators may be one possible solution. My current research is in this area.



"PORTABLE TWO-FREQUENCY ELF GENERATOR" 3-15-88
ver. 1 rev. 2

David S. Walonich

PHYSICS AND TECHNOLOGY OF THE PHENOMENON OF SPACE POWER GENERATION

Paramahansa Tewari

INTRODUCTION:

Scientific debates on the nature of space (absolute vacuum) around the start of this century took a general view that space serves to transmit fields (electromagnetic, gravitational) and, beyond that, it has no independent existence of its own as an entity that can generate energy in some form which enables it to be termed as a "real" physical entity. In other words, the generally accepted position then taken was that space is an empty extension of "nothingness" without any physical attributes in which fields are somehow transmitted at enormous speed. Many refutations to the above view both experimental and theoretical, and claims on the existence of ether, that is, space with physical attributes, could not provide an alternate theory so as to change the widely accepted position of the nonphysical nature of space.

A search for the most basic and universal source of fields of matter in general, and electron in particular, has led to the formulation (by the writer) of space vortex theory (SVT) in which physical space has been postulated, [1] and it has been shown that the primary function of space is to generate cosmic matter. Thus as per SVT, quite contrary to the modern view of physics, matter apart from space has no independent existence.

BASICS OF SPACE VORTEX THEORY (SVT)

The absolute vacuum in SVT is a **nonmaterial** and mobile entity -- an incompressible, nonviscous, massless and continuous medium and its dynamical field equations or laws are formulated introducing concept of velocity fields, that is, velocity of space points in a vortex of mobile space. An electron is postulated to be an irrotational vortex of space with a spherical central void of sub-microscopic radius of about ten raised to the power minus eleven centimeter, within which the space with physical attributes develops discontinuity of energy field (Fig. 1). The property of electric charge of electron and its electrostatic field can be shown to be the effect of rotation of space around the electron's centre. The mass property of electron is seen to be arising due to the creation of a fieldless spherical void (hole) at electron's centre where space rotates at the limiting speed of light. New equations that quantify mass and charge of electrons and enable the computation of energy for its creation and annihilation are derived. It also follows from the theory that the electron is the only fundamental particle that can build all the other stable particles of matter of the universe.

The generation of mass of electron from the mass-less medium of space is the unique feature of SVT, as it does away with the normal trend of scientific convention that every

conceivable entity must necessarily have mass if it has to be real, that is, if it has to possess energy. An irrotational vortex of space with maximum speed of rotation less than the speed of light will possess zero mass, and yet it will have electric charge energy due to velocity fields produced by space rotation. The creation of mass is essentially creation of void at electron's centre due to limiting speed of rotation and breakdown of space. The velocity field at a point in the neighbourhood of electron determines the electric potential there. The breakdown of space at electron's centre gravitationally energizes the whole universe creating gravity field and gravity potential. The decrease in gravity potential at a space point due to oscillation/movement of electron/matter creates electromagnetic (light) effect at that point. When an electron is annihilated, it is the decaying gravity potential at each point in space that is seen as light.

The property of zero viscosity and mobility of space up to the speed of light in combination with the central void of electron, results in inertia property of electron in its motion. The inertia property for all matter also arises due to the above effect since the electrons are the fundamental particles of all stable particles of matter.

FUNDAMENTAL EQUATIONS ON ELECTRON'S CHARGE AND MASS:

Following fundamental equations derived from the void-vortex structure of the electron [1] are relevant to the computation of rotational charge energy produced due to rotation of space in the interatomic region of a rotating electromagnet as shown in Fig. 2.

Refer to Fig. 1 which shows spin of space at void-space interface. At the elemental surface, tangential velocity of space is $\omega r_e \sin \theta$, which increases to its limiting value c at the diametrical section of the interface. The basic definitions for electron's charge, rest-mass and dielectric constant for vacuum are:

$$q_e = (\pi/4) (4\pi r_e^2 c) \quad (1)$$

where

q_e is the electron's charge
 r_e is the radius of spherical void
 c is the light speed in vacuum

Hence, it follows that the dimensions of q_e are:

$$[q_e] = L^3/T$$

$$m_e = (4\pi/3)r_e^3 c \quad (2)$$

where

m_e is the electron's rest-mass.

Hence, it follows that the dimensions for mass m_e are:

$$[m_e] = L^4/T$$

Dielectric constant for vacuum ϵ_0 is given by,

$$\epsilon_0 = \pi/2c \quad (3)$$

Dimensions for ϵ_0 are:

$$[\epsilon_0] = T/L$$

Substituting in (1) experimentally determined value, $q_e = 4.8 \times 10^{-10}$ CGSE units, and supposing the value of void radius $r_e = 10^{-11}$ cm.

$$\text{cm}^3/\text{s} = (16) \text{ CGSE} \quad (4)$$

GENERATION OF SPACE POWER:

As shown in Fig.1, for computation of electron's charge at the interface, the product of speed of spinning space at the elemental surface and its area dA is taken. This indicates that for all values of V varying from zero to c , charge is produced. Therefore rotation of cylindrical surface A of an iron core (Fig.2) of an electromagnet will create in its interatomic space rotational charge (q_r) given by similar relationship as for electronic charge. Neglecting the area occupied by atomic nuclei and orbital electrons at surface A ,

$$\begin{aligned} q_r &= \text{space surface} \times \text{rotational speed} \\ &= (2\pi rL) (2\pi rN) \\ &= 4\pi^2 r^2 LN \end{aligned} \quad (5)$$

Converting q_r to CGSE units, from (4) and (5),

$$q_r = 64 \pi^2 r^2 LN$$

Nos. of electrons (N_e) equivalent to q_r will be:

$$N_e = (64 \pi^2 r^2 LN / q_e) \quad (6)$$

Energy in the electrostatic field of N_e electrons is computed as below:

Electrostatic energy (U) of a point-charge as per conventional physics is given by:

$$U = [q_e^2 / 2(4\pi\epsilon_0)] \left[\frac{1}{r} \right]_0^\infty \quad (7)$$

Where r , the radial distance from the charge centre, varies from zero to infinity. With void-centre of electron, the minimum value of r is taken as r_e (and not zero) since void is a fieldless zone. (The present difficulty in physics of infinite quantity of energy in the field of a point-charge is avoided with void-centre structure of electron).

Substituting the value of ϵ_0 from (3) in (7) and from (1) expressing q_e in terms of r_e and c ,

$$\begin{aligned} U &= (\pi/4)^2 (4\pi r_e^2 c)^2 / 2(4\pi^2/2c)r_e \\ &= (3\pi/16) (4\pi r_e^3 c/3) c^2 \end{aligned}$$

Which from (2) becomes

$$U = (3\pi/16) m_e c^2 \quad (8)$$

Net energy produced from rotational charge from (6) and (8),

$$E = (3\pi^3/4q_e) (m_e c^2) r^2 LN \quad (9)$$

Substituting the values, $q_e = 4.8 \times 10^{-10}$ CGSE units, $m_e = 9 \times 10^{-28}$ gram, $c = 3 \times 10^{10}$ cm/sec in (9),

$$E = (1.98) \pi r^2 LN 10^{-5} \text{ KW sec.} \quad (10)$$

The electric charge energy developed in any rotating body due to space rotation within the body is given to (10). If the body in rotation is an electrical conductor (iron, copper) then the orbital electrons of the atoms are liberated and will move under the action of a magnetic field to form electrical polarities [2].

EXPERIMENTAL PROOF:

The above structure of the electron is substantiated through some recent experiments on electromagnetic induction. These experiments have brought to light a new phenomenon in which electromotive force is generated in an electrical conductor even if there is no relative motion between the conductor and the magnetic field which is unlike the principle behind the operation of modern electrical generators for which relative motion between the conductor and the magnetic field is a must. Further, the electrical power generation in the newly discovered phenomenon does not fully reflect in a proportionate increase of the input power, thereby giving an efficiency of more than unity, and revealing a new vital fact that absolute vacuum in the interatomic space of matter can generate electrical charge and power when it is set in a dynamic state. An experiment somewhat similar to above was done by Michael Faraday in the year 1830. He discovered the above phenomenon as regards the production of electromotive force even when the relative motion between the magnetic field and the conductor was zero. He, however, does not appear to have made measurements on the incremental power ratio from such a device. The writer first learnt of this effect from Bruce De Palma's [5] letters to him (1978-79),

who made an exhaustive study of this effect and named it as N-effect. The experimental machines he built, he termed as N-Generators.

A series of tests on this unique phenomenon of space power generation have been carried out as outlined briefly in references [2, 3, 4]. The space power generator (SPG) shown in Fig.3 has produced efficiency of electrical power generation to more than 250%, and precise test results on other models show that higher efficiencies for output currents in kiloamperes are possible.

CONCLUSION:

Building of space power generators of about 100 KW size should be possible to be achieved with conventional technological methods in the near future.

In addition to the discovery, of a novel technology for power generation, the following crucial change in the scientific and philosophical outlook that would be brought about with the new phenomenon of space power generation are:

- (1) The fundamental state of universal energy is eternally latent in the dynamic space of the universe.
- (2) The cosmic matter is generated from the energy of space in repeated cycles of creation and annihilation.
- (3) Space is not an empty extension but rather the most fundamental entity which alone gives reality to the cosmic world.

The present industrial culture demands a continually

increasing growth of electrical power. Since the limited resources of thermal, hydroelectrical and nuclear power cannot last for centuries, the need that has now become vital is to discover a power source which is independent of all material resources, so that a regulated generation of power from the presently known technologies is supplemented to a good extent from this eternal source.

A technological breakthrough, which will enable generation of energy directly from space, is in the offing. Nature has, however, already achieved this conversion from space energy to matter in the generation of the cosmic matter of the universe.[3]

1. Paramahansa Tewari. **Beyond Matter**. Aligarh, India: Print Well Publications, 1984.

2. Paramahansa Tewari. **Generation of Electrical Power from Absolute Vacuum by High Speed Rotation of Conducting Magnetic Cylinder**. Magnets in Your Future. Vol.1 No.8, August 1986.

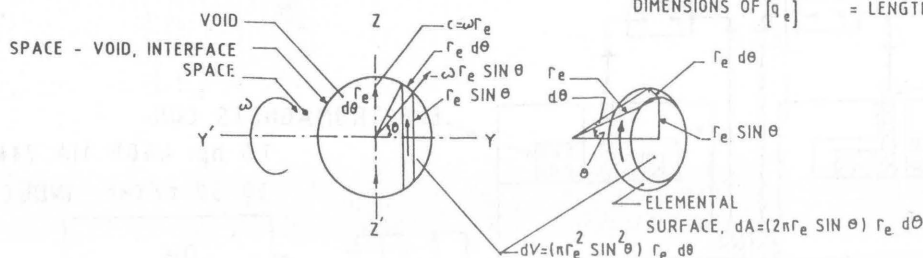
3. Paramahansa Tewari. **Interaction of Electrons and Magnetic Field in Space Power Generation Phenomenon**. Magnets in Your Future. Vol.2 No.12, December 1987.

4. Paramahansa Tewari. **Violation of Law of Conservation of Charge in Space Power Generation Phenomenon**. The Journal of Borderland Research, USA, Vol. XLV, No.5 -- September-October 1989.

5. Bruce De Palma, Santa Barbara, California USA.

ω : ANGULAR VELOCITY OF INTERFACE
ALONG, Y-Y'.

VOID : FIELDLESS SPHERICAL HOLE IN SPACE,



SPACE: NON-VISCOUS, MOBILE, CONTINUOUS, INCOMPRESSIBLE

VOID-RADIUS $r_e \approx 10^{-14}$ CM

CHARGE ON ELEMENTAL
RING SURFACE,

dq : RING AREA X SPEED OF CIRCULATING
SPACE ON RING SURFACE

$$dq = dA(\omega r_e \sin \theta)$$

ELECTRONIC CHARGE, $q_e = \int_0^\pi (2\pi r_e \sin \theta r_e d\theta) (\omega r_e \sin \theta)$

$$q_e = (\pi/4) (4\pi r_e^2 C)$$

DIMENSIONS OF $[q_e]$

$$= \text{LENGTH}^3 / \text{TIME}$$

REST-MASS OF ELEMENTAL DISC OF VOID,

$dm = dV \times \text{SPEED OF CIRCULATING
SPACE AT THE INTERFACE
OF THE ELEMENT}$

$$dm = (\pi r_e^2 \sin^2 \theta r_e d\theta) \omega r_e \sin \theta$$

ELECTRONIC REST-MASS, $[m_e] = \int_0^\pi \pi r_e^2 \sin^2 \theta d\theta = (4\pi/3) r_e^2 C$

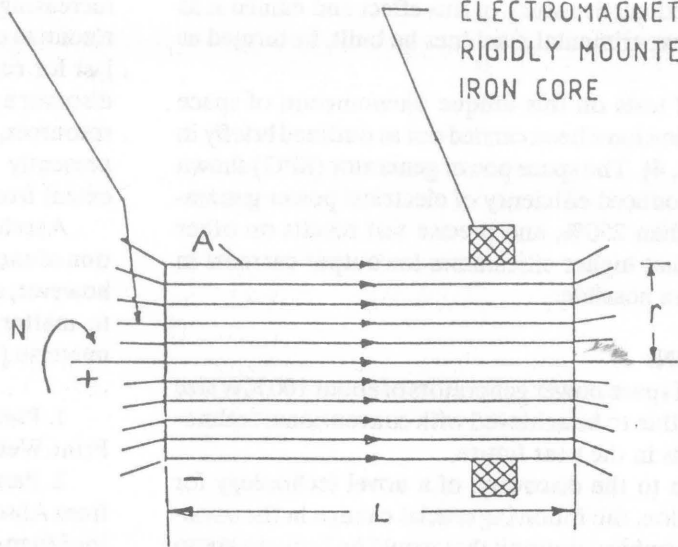
DIMENSIONS OF $[m_e] = \text{LENGTH}^4 / \text{TIME}$

VOID CENTRE OF ELECTRON

FIGURE - 1

MAGNETIC LINES OF FORCE

ELECTROMAGNET'S COIL
RIGIDLY MOUNTED ON
IRON CORE



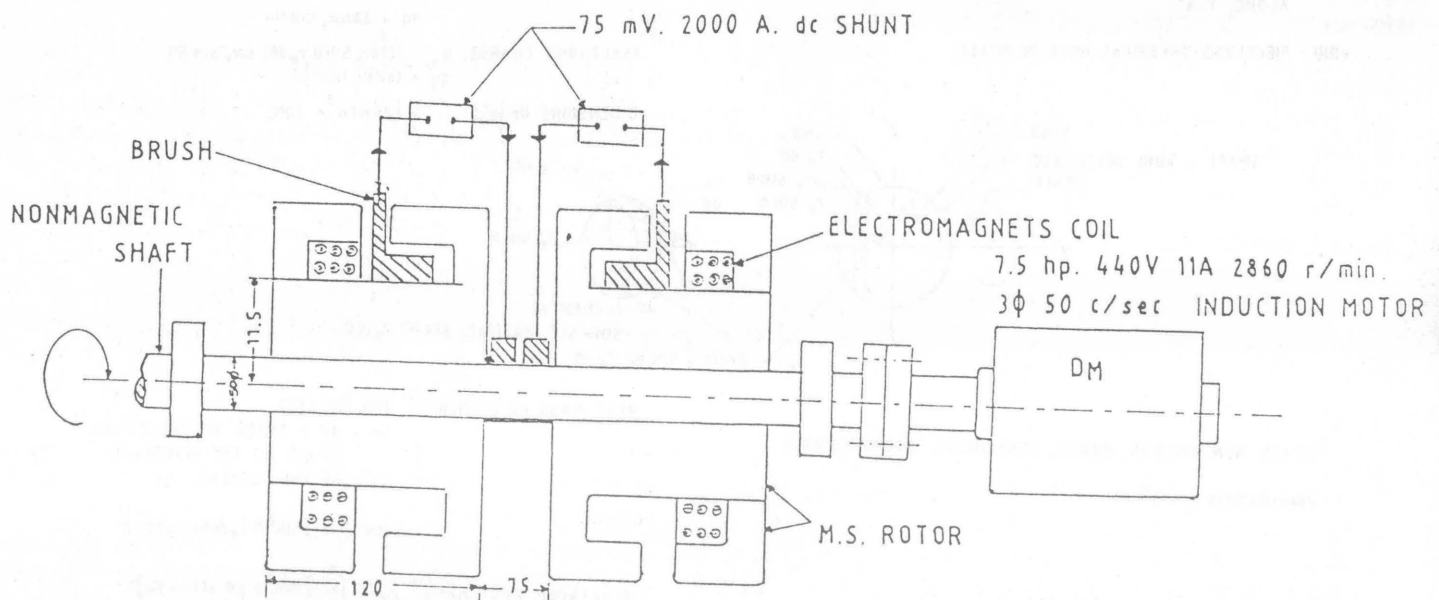
N = REVOLUTIONS PER SEC.

r = RADIUS OF IRON CYLINDER

L = LENGTH OF IRON CORE

ROTATING ELECTROMAGNET

FIGURE- 2



All Dimensions are in mm.

SPACE POWER GENERATOR

Fig-3

HEAVY ETHER

Eugenia Macer-Story

© 1979 by the author

ABSTRACT

It is reasonable to suppose that the 'etheric' or 'bioplasmic' energies are lighter than ordinary three-dimensional structures composed of electro-magnetic vibrations. This is because folks have the general idea of ghosts as lightweight, drifting mists and ESP energies as a quicksilver sort of bio-electric fluid. However, "ectoplasmic" mists and bio-electric effects such as alpha and other electrical levels of brainwave activity may be considered to be side effects of another non-electrical process which involves the use of hyperdense energies. Since these hypothetical energies are hyperdense, the usual time/space distinction will not have conventional meaning as these hyperdense energies are being utilized, due to the fact that as conventional "space extension" is drawn back into hyperdensity the electromagnetic time/frequency pulse distinction becomes jumbled or disappears entirely. Observationally, spontaneous appearances and disappearances of "solid matter", as in psychokinetic and poltergeist activity, can be seen to support this theory of possible etheric hyperdensity. Experimentally, the alteration of molecular density under mild electronegative stimulation indicates the possibility that certain states and frequencies may be more conducive to the use of the "etheric" or "bioplasmic" energies. These particular electrical states and frequencies are not the "etheric" energies, but provide an atmosphere within which the non-electrical hyperdense continuum may operate upon electromagnetic structure. Certain electrical states of the brain may also be seen as providing such an atmosphere for the activation of the "bioplasmic" energies.

INTRODUCTORY

Last winter, while packing to move out of a communal loft, I found a shopping bag of old books in the storage closet. These were all hardback scientific, mathematical and astronomical texts dating from the early decades of this century, when the concept of the "ether" or "carrier" medium for electromagnetic waves had just been brought into serious question¹ and various other systems were being substituted. I asked if anyone who was sharing the loft owned these books, and no one seems to know where they had come from, so (taking advantage of this unusual windfall) I appropriated several of these antique volumes, among them Sir Oliver Lodge's short text: **THE ETHER OF SPACE**.

After leafing through Lodge's book, which is a defense of the concept of the existence of some universal etheric energy, even in the teeth of the then-recent Michelson/Morley demonstration that no other drag was shown in the transmission of light from heavenly bodies to the earth. (If a three-

dimensionally palpable carrier energy exists, then light transmission should lag in the wake of the earth's motion. This lag was measured as being non-existent.)

I was struck by the similarity between Lodge's description of the type of ether which would show no perceptible ether drag, and the description which I once made in my short article **FLUIDICE**² of a variable time compartment at the intersection of the electric and magnetic vector fields.

In my original article on this subject, I noted that time anomalies sometimes associated with change of frequency and electronic density could be accounted for by a (this is a model only, not a literal structure) rigid but expandable time-junction which was subject to contraction or expansion under the alteration of electrical-environment. I postulated that these time-related energies had an existence unto themselves -- as a variable time compartment -- and were not simply unusual effects within the electromagnetic spectrum.

At the time this article was published, I had several favorable responses to the concept, but most folks were baffled by the description.

It was with both relief and astonishment that I found in Lodge's book on **THE ETHER OF SPACE**, which had been published in 1909, similar concepts to those which I had enunciated in my description of this awkward "time compartment" called fluidice.

THE ETHER OF SPACE

Lodge wrote: "(The ether) being incompressible...it follows that it cannot be either a condensation or a rarefaction of that material, but must be some singularity of structure...It might, for instance, be something analogous to a vortex ring, differentiated kinetically...or it might be differentiated statically, and be something which would have to be called a strain-centre or region of twist, or something which cannot be very clearly at present imagined with any security...All that is required, therefore, to explain gravity, is a diminution of pressure or increase of tension, cause by the formation of a matter unity...there is no difficulty in supposing that a slight, almost infinitesimal strain or rarefaction should be produced in the ether whenever an electron comes into being...to be relaxed again only on its resolution and destruction.

"Strictly speaking, it is not a real strain, but only a stress, since there can be no actual yield, but only a pull or tension, extending in all direction toward infinity...All potential energy exists in the ether. It may vibrate, and it may rotate, but as regard locomotion, it is stationary -- the most stationary body we know: absolutely stationary, so to speak: our standard of rest...just as the rigidity of the ether is of a purely electric character, and is not felt mechanically -- since me-

chanically it is perfectly fluid -- so its density is likewise of an electro-magnetic character, and again is not felt mechanically, because it cannot be moved by mechanical means...the mechanical density of matter is a very small portion of the ethereal density..." (pp. 91, 111, 118, 156.)

DENSITY

After assimilating Lodge's general attitude toward the ether, I realized what had been missing from my original description of "fluidice." Clearly, this was the concept of density.

I had described a rigid, yet "expandable" time-junction, yet this model remained a two-dimensional construct, acted on by exterior quasi-"thermal" energies.

If this quasi-thermal quality is to be intrinsic to the time-ether itself, then alterations in the exterior boundaries of the time-compartment between the electric and magnetic fields -- causing anomalous electro-magnetic effects -- will have to involve changes in density of the time-ether and/or changes in the electronic density within the electromagnetic continuum. This alteration of ordinary densities then would cause the electromagnetic time/space continuum to contract, warp or bend.

For example, in the consideration of magnetic space groups (this is a mathematical concept, not a set of social organizations) there is a certain theoretical "time reversal" operator T which has the effect of reversing the direction of magnetic dipoles.³ What if this process were reversed, using a change in molecular-electronic density to alter the time-etheric of "fluidice" continuum, causing anomalous effects such as the apparent contraction or expansion and disappearance of objects out of this time-space moment and into the static singularity of the hyperdense ether...?

TIME/ETHER

Why do I identify the ether with time? Illogically, it is associational. Lodge used in his book a description of the "ether" which is similar to my brief description of the "fluidice" time compartment -- and I found Lodge's book (which had been written in 1906) in a shopping bag in my communal loft in 1979, subsequent to having written the FLUIDICE article (which was published in 1976).

In my individual information-realization system, this little book (although dating from 1906) was new in 1979,

since it did not enter the field of my perception until that time.

In effect, Lodge's thought was subsequent to my thought, though actually his book had preceded my article by seventy years.

Yet, how in the devil did that shopping bag get into my closet? If I had not -- by seeming co-incidence -- encountered this paper bag full of dusty books, I would never have been able to realize that my strange "fluidice" idea had some historical precedent.

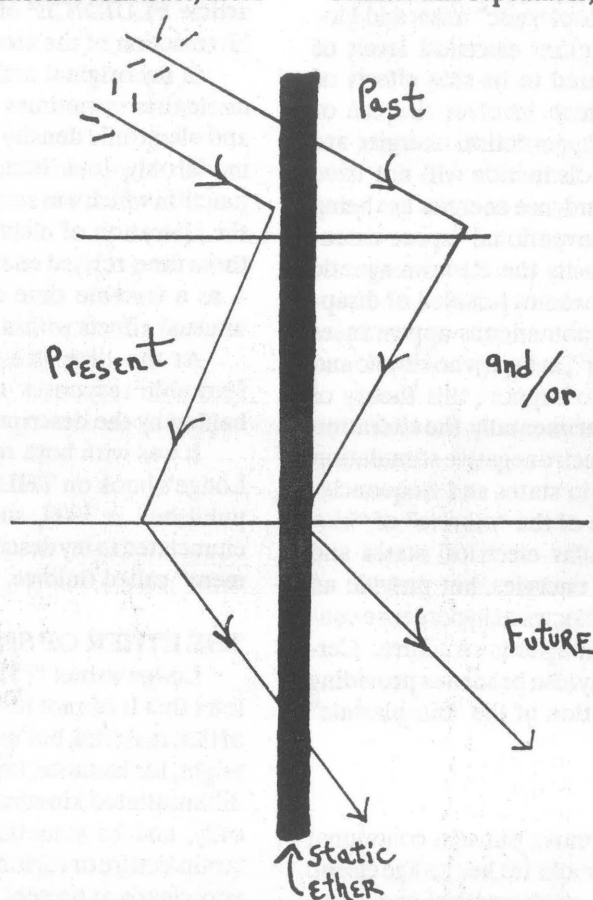
Perhaps this realization caused some slight change in the ethereal state of my brain. Contemporary research has shown that certain states of consciousness correlate with certain, definite and repeatable, electrical states of the brain.

Is it possible that a time-independent (passively-meditative or excitedly-dynamic) state of mind-being electrically unique -- can somehow "mold" or "catalyze" the time/ether, causing PK and co-incidence effects? Would it be possible to augment this bio-electrical effect by placing a psychic inside an area which had been designed to resonate electromagnetic frequencies which augment the brainwave frequencies active during ESP or PK effects?

Conversely, does a psychic who is in a meditative or highly-dynamic state of mind literally influence the electromagnetic balance of the surrounding area and/or the area into which thought may be directed? Might this be the reason for "magic circles" and "sacred areas" used in ancient magical practices? Perhaps primitive peoples knew that it was possible to literally change the etheric/electronic density within a certain, limited physical area, by the practice of psychical concentration. The magician, in such

ancient sorts of conjuration, is repeatedly warned never to step outside of this circle without formally closing his or her meditative/dynamic state of mind.

ESP information, like the books I found in my closet, is some sort of "heavy" or "definite" energy coding which varies in significance according to the electromagnetic time/space nexus into which it is introduced. The coding itself does not change, is static (as in Lodge's analogy) but the context of the coding continues to vary forward with gravitational time, or has varied forward with time as the heavy information coding (remaining static) literally travels backward as gravity time proceeds forward -- or can travel forward (as static coding) at a much more rapid pace than gravitational time, since it is literally remaining stationary, and will be in the same state



now as it was in the future.

This may sound like some sort of obfuscating religious statement. However, I have drawn a secular diagram to illustrate this concept. (see illustrations) The books which I found in my communal closet were not particularly religious.

POSSIBLE OBSERVATIONS

One of these books was entitled **THE PLANET EARTH**, *An Astronomical Introduction to Geography*. This book, written by Richard A. Gregory, F.R.A.S., an Oxford University Extension Lecturer in astronomy, was published in London in 1894.

I am not sure what the reaction to this book was when it was published, but certainly it was not -- in 1894 -- an influential or popular text. I had never heard of Gregory's book before finding it in my closet in 1979. According to the preface, this short volume is an attempt to "revive the observational astronomy of pre-telescopic times."

Gregory felt that students of elementary astronomy were being taught the currently-accepted model of the universe *ex cathedra*, without reference to the scientific method of observation and induction, and that this was a mistake.

"Celestial phenomena," Gregory remarked in 1894, "must be observed before the theories which explain them can be properly understood."

Certainly, this applies to "psychical" and UFO phenomena as well. However, these common sense sorts of observations are more difficult to achieve in the psychical area since - unlike the stellar regularities - the overt "etheric" phenomena, such as PK and ESP, do not occur on a logically-predictable schedule.

This is because these phenomena are time/space "strange." We can chart and accurately predict (barring catastrophic anomaly) the regular motions of the heavenly bodies simply because they occupy a time/space frame within which the circumference of a circle is always related to the diameter by a ratio of three and one seventh units. Traditionally, we have earth clocks which are circular, and our ordinary time units derive from this measurement of the circumference of a circle by degrees. This commonality between the type of measurements used to record time, and the type of triangulation process (based on reciprocal degrees, referring to the circle) used since antiquity to chart relationships between the earth and the stars means that earth people take it for granted that -- even at long distances -- this planet is sharing the same,

basic time/space fabric as the stars Lyra or Arcturus. On one level of perception, this is certainly, reliably true.

However, recently we have devised new methods to measure time. These methods are directly related to the development of more sophisticated electronic technology, and are not possible for the unassisted common sense observer, since they involve the measurement of the regular pulsing of the ammonia molecule, and other micro-structures.⁴

Mentally, these time concepts are available for observa-

tion, but we cannot actually "see" molecular pulsing without equipment. It is possible that very sensitive psychics and people under the influence of LSD or other consciousness-altering substances can "feel" this sort of pulsing. Clinically, since the nervous system of the body is electro-chemical, and -- as has been recorded on EEG machines in numerous experimental laboratories -- there is a definite shift in the electrical pattern of the brainwaves during different "levels" or mental activity, people can be taught to recognize different sorts of brainwave pulsing by "feel."⁵

How about "feeling" a shift in time-modulation?

A shift in electromagnetic frequency can literally be felt by a dancer, who then adjusts body movements to fit the rhythm, certain shifts in electrical activity of the brain can literally be "felt" by a psychic or sensitive (or an experimental subject who has been trained via hookup to machine), who can then induce or match definite shifts

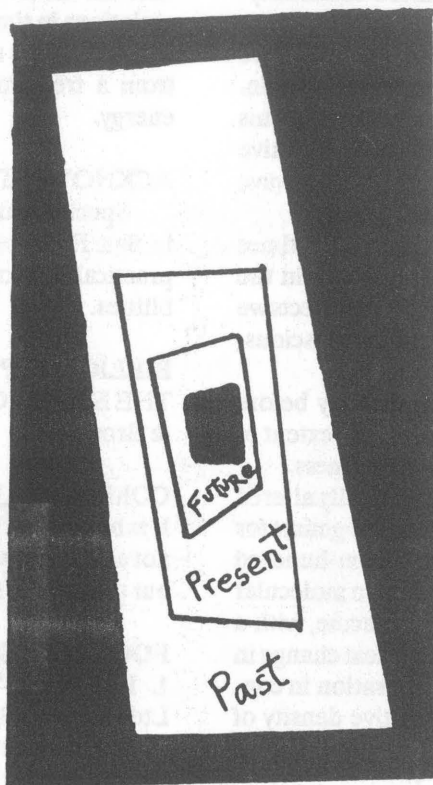
in the time-modulation of consciousness.

A SPECIFIC EXPERIMENT

Should you wish to prove to yourself that mental alteration can be induced by a difference in electronic density, you do not have to take my word for it. Radio astronomer already know that areas in the atmosphere which have unusual electromagnetic densities exhibit reflective time anomalies relative to solar flares.⁶

If you should wish to set up your own electromagnetically anomalous area, you will need to get hold of a negative ion generator (such as is used to purify the atmosphere of smoke), put it in a closet, turn it on, and then sit in the closet with this negative ion generator for about an hour.

Don't sit in this anomalous closet for longer than an hour, because neg-ion oxygen bonding reduces the available breathing air, by converting O₂ to O₃ (or: Ozone) which is a lung irritant. Also, do not touch any dielectric continuum (such as



↑ Static Ether

the floor or walls of this closet) which the negative ion generator is also touching -- or you will build up a mutual charge with this generator, repelling ions.

You don't need to turn the lights off and can read a book or listen to music.

After you have been in the closet with this negative ion generator, you may begin to notice a change in your mental state. If you are naturally sensitive, and do begin to notice such a change, you will "feel" altered in consciousness, and you will also be temporarily calmer and more cosmically-attuned, perhaps even a bit more telepathic. Try it.

If this closet treatment works for you, you will have experienced a frequency variation in the rhythms of the brain. In making you feel calmer and more cosmically-attuned, this has altered your ordinary time-perception -- since negative ions promote alpha brainwaves and increase brainwave amplitude, which translates to a "meditative" level.

Negative ionization of the atmosphere can sometimes also cause a difference in the oxidation of serotonin in the bloodstream. Varying levels of serotonin cause the effects we associate with LSD trips and like alterations of consciousness.⁷

Obviously, the chemical structure of your body before you enter the negative ion closet will determine the extent of these possible oxidation effects on your consciousness.

However, the density of the air is always literally altered by the "little lightning bolt" of the negative ion generator (which converts three watts of electricity to fifteen-hundred volts via a D.C. rectifier). The O_2 molecule, with a molecular mass of 31.999 amu is converted to an O_3 molecule, with a molecular mass of 47.998 amu. Thus, an electrical change in the atmosphere can be seen to cause both alteration in consciousness and a literal alteration in the relative density of matter.

CONCLUSION

This mini-effect on atmospheric density will not fully explain the timely appearance of old reference books in my communal loft closet, and certainly does not prove anything about the relatively heavy density of the time-ether (unless you weigh yourself before and after being in the closet with the negative ion generator, and notice a difference) -- however, since the brain is a physical object emitting an electromagnetic pulse, it does clearly introduce the possibility that a shift in the electromagnetic pulsing of the brain may also cause a minute, but definite, alteration in the molecular/

electronic density of the surrounding area, thus inducing a micro-frequency time-shift in the texture of matter. This very small shift in frequency may open the possibility for access to the hyperdense and static ether in surrounding regions, thus facilitating psychokinetic effects.

Since information (as in the illustrations) is somehow coded by the brain to register in memory (a time-independent storage closet) this may mean that the traditional linkage of memory facility with the ESP faculty has its basis in the fact that the electromagnetic bodily machine is somehow (by variations in time-frequency analogous to the binary shifting in a computer) recording and generating stored impressions from a frequency-linked but durationally-static "etheric" energy.

ACKNOWLEDGEMENT

Special thanks to Jim Karnstedt of IONS AND LIGHT in San Francisco, for sharing with me in conversation his practical memory of negative ion effects, hazards and possibilities.

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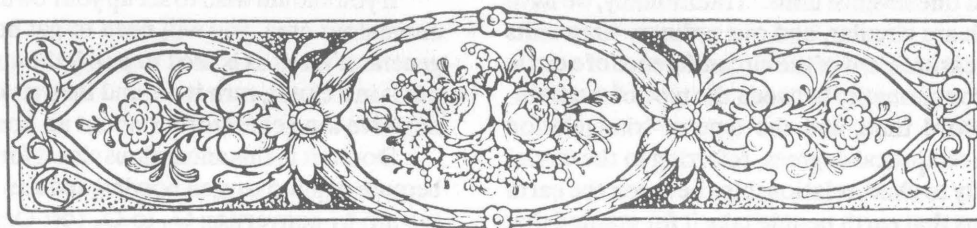
THE ETHER OF SPACE, Sir Oliver Lodge, F.R.S., Harper & Bros., 1909.

COMMENTARY

It is hoped that footnotes and bibliography will be consulted not as the last word on the etheric subject and related topics, but as interesting reference information.

FOOTNOTES

1. H. T. Flint, WAVE MECHANICS, Methuen & Co. Ltd., London, 1929.
2. E. Macer-Story, FLUIDICE, *Pursuit* magazine, Vol.10, No.2. Spring 1977.
3. J. W. Leech & D. J. Newman, HOW TO USE GROUPS, Methuen & Co. Ltd., London, 1969.
4. Kenneth R. Atkins, PHYSICS, John Wiley & Sons, New York, 1970. (p.21)
5. J. Wesley Burgess, THE NATURAL MIND OF MAN, *American Theosophist*, Spring 1979.
6. Jules Aarons, ed. RADIO ASTRONOMICAL AND SATELLITE STUDIES OF THE ATMOSPHERE, North Holland Publishing Co., Amsterdam, 1963.
7. Don Strachan & Jim Karnstedt, NEGATIVE IONS, *New Realities* magazine, January 1979.



B.S.R.F. BULLETIN BOARD

The B.S.R.F. Bulletin Board is a section for Letters, Reviews, Events, Contacts & other useful information for Borderland Members to aid in their researches. We encourage BSRF Members to submit contributions & information to B.S.R.F. Bulletin Board, PO Box 429, Garberville CA 95440. Letters should be addressed to **LETTERS TO THE EDITOR**, c/o the above address.

PUBLIC NOTICE:

Trevor James Constable, as president of TJC-ATMOS, Inc., has submitted to BSRF an archive copy of his Initial Report On Weather Modification Activities filed with the National Oceanographic and Atmospheric Administration (NOAA) concerning **OPERATION CLINCHER -- Seasonal Air Pollution Reduction, Southern California, 1990 Season.**

From the cover letter to the filing: "Because of improvements in both equipment and method we predict at least a further 20 percent reduction in smog for 1990 over 1989 -- up to that time Southern California's lowest smog year ever. We were in function in 1989 for approximately half the season with reported operations **BREAK-THROUGH** and **CHECKER**. Prior to 1989, the best smog year in southern California was 1987, largely as a result of our **VICTOR** operation, filed with NOAA. When we stood down in 1988, the second worst smog season of the decade ensued."

On the NOAA form Trevor lists the purpose of the project as: "**RECORD SEASONAL REDUCTION OF SMOG, 1990, SOUTHERN CALIFORNIA.**"

The addendum reports: "**PLEASE AND KINDLY NOTE THAT 'CLINCHER' IS NOT, REPEAT NOT, A RAINENGINEERING OPERATION. CLINCHER IS AN AIR POLLUTION REDUCTION OPERATION THAT DOES NOT DEPEND ON OR REQUIRE RAIN.**"

Etheric technology is real and being used today. Trevor has developed an advanced level of primary energy engineering from his 20 years of active field work.

LETTERS

GREATLY APPRECIATED

I am very pleased to hear that my membership has been appreciated and have gained a lot from the journals, etc. I do want to continue receiving the Journal as I always look forward to the next issue and others. The information and viewpoints are certainly not available elsewhere. I am glad to hear also that my ideas and opinions are most welcome and feel that they are more important than the membership dues. Too bad that bills cannot be paid with opinions. Enclosed are my membership dues.

Andrew Barclay
Victoria, Australia

BSRF is reaching a stage where we are carrying on a

very active interaction with our worldwide membership. There are certainly not enough hours in the day to answer all the correspondence that comes in here. We're trying to get more into this column. If the journal is even a week or so late we get letters and anxious phone calls wondering what is up. This double issue is the result of finishing **COSMIC PULSE OF LIFE**, getting our 1990 catalog finished and mailed (finally!) and preparing for our June 1990 Congress. So the first half is late, the second early. We do our best to keep on schedule and please give us at least a month after the due date before we get barraged with questions of wonder. It does feel good to know that our membership anxiously awaits each issue.

FRONT PAGE NEWS

RE the article 'Missing Whales' on the "Front Page News": A newspaper article a few days ago reported that the Japanese killed 300 whales; they said: "for research". The meat ended up in gourmet restaurants (to pay for the research, they said).

unsigned,
Columbus, Ohio

In reference to "Front Page News" (Mar-Apr 1990 JBR), I would just like to mention that this is front page news if you read the Spotlight as the following headlines indicate:

"Canada Lied about Location of Poison Gas Dumped in 1947," "Where is Captured Stockpile -- Lethal Nerve Agent May Be Leaking," "Secret Operation Exposed." The Spotlight, September 4, 1989. "Ships Loaded With Poison Scuttled." The Spotlight, October 16, 1989. "Deadly Poison Gas Dumped in World Seas" "Poison Gas Dumped Worldwide Poses Threat to Human Life" The Spotlight, January 18 & 1990. "Sub Irradiates Norwegian Sea" The Spotlight, Feb 26, 1990.

According to the Sept 4th articles over 460 tons of mustard gas were dumped in the Strait of Juan De Fuca (near Seattle, Washington), and "could very well turn out to be the world's worst environmental disaster, which might already be occurring."

The Spotlight's address is 300 Independence Ave SE, Washington DC 20003
Gavin Ziegler
Walnut, Illinois

There can be no doubt that humanity, in its ignorance, is killing its own environment. Hopefully more and more

people will become aware of this intensive damage to our ecosphere. If a human loses 1/3 of its skin it dies. The earth has lost over 1/2 of its skin and the rape continues. Enjoy it while it lasts....

ELECTRICITY

This letter concerns the JBR Jan-Feb 1990 subsection of View From the Borderlands titled "Electricity: The Main Culprit." I would like to have responded sooner, but this is how long it has taken me for your statement to sink in. It is refreshing and necessary at last to have someone with courage like yourself question the sacred cow of electricity. (I can hear the tumult now: "What, you're going to revert to the dark ages?")

Recently I came across some pertinent observations written in 1966 which corroborate these views. They are from [the late] W. Gordon Allen in *Enigma Fantastique*, p. 60: "...the student must learn to give himself less and less to impressions of the outer world, and to develop instead a vivid inner life. The person who darts from one impression to another in the outer world, who constantly seeks distraction - cannot find the way to higher knowledge."

The author has had many years of experience in the commercial radio broadcasting business. He has observed how the industry has changed because of the inability of the United States public to focus its attention for more than a minute or two. By 1955 newscasts and commentaries of fifteen minutes in duration had almost disappeared from the air. "Capsule" news, hard-sell screaming commercials and rock and roll are examples of the attempts by the industry to capture the attention of a public who had lost in a short ten year period the desire to concentrate. Television, newspapers and magazines have the same problem with a public that has not learned how to read, pay attention or be informed. With the best communications systems in the world, the United States public is still ill informed. It remains politically naive. It thus responds with ease to the motivations desired by the controlling myth-builders, who attempt to control freedom of investigation in modern times for similar reasons to the control of freedom of the mind at the time of the Inquisition.

Ron Stinnett
Santa Rosa, CA

Considering the letters before yours, it looks as though humans will send themselves back to the stone age, if anything survives other than the stones themselves. Hopefully independent thinkers and researchers will begin to understand our true relationship with technology and electricity and we can metamorphose to the next higher stage of evolution -- and keep our dear earth intact in the process.

COSMIC PULSE

What an issue the last Journal is! I was very happy to discover that Trevor Constable's book **THE COSMIC**

PULSE OF LIFE is being republished. We have one autographed copy in the library, but would like to order five more copies. It is the most dynamic, revealing and instructive book I have read in many moons. I got into it a couple of months ago, and have been looking in every used book shop around town for another copy. And now your announcement ends my search.

Donald Hosier

Rudolf Steiner Research Foundation
Long Beach, CA

Thanks for your kind words on the Journal and glad to hear of your thoughts on **COSMIC PULSE**. BSRF pursued the reprinting of **COSMIC PULSE** because we feel as you do about it. The book should be in stock by the time of our convention in June and orders will be shipped shortly afterwards. Maybe we can't change the world, but we can help people think for themselves and discover that there are always new ideas to be grasped.

PRICE RAISE

I want you to know that I support your policy to increase your prices. The alternative is that you're not here at all... and that would be a great tragedy for all of us.

David Walonick
Minneapolis MN

Thanks for your understanding. We reluctantly raised prices as our costs of printing and foundation maintenance have increased. We now have 3 part-time employees, besides myself and Alison. A new catalog has just been mailed in the US, and we hope to have it mailed to our foreign members soon also. We are also focusing on BSRF materials, as we really got bogged down in carrying books from various other groups and publishers around the globe. We had 30-40 back orders on publications not our own at any given time, prices would be raised on books we had standing orders on, orders waited on never came, books went out of print, etc. More files and books are in progress, and we are also compiling a resource listing so that our members and customers can find out about other sources of quality information and research equipment. As time progresses we can conceivably stock books from other publishers again, but a definite metamorphosis of management is necessary to get to that point.

FREE ENERGY

I enjoyed your article on Free Energy and was moved to write to you. While I am a first time reader of the Journal and have no knowledge of what is of common knowledge to your readers about vortex technology, I have several observations which I would like to share.

1. In reference to "The Messiah Machine", I believe you will find you can increase your rate or water flow by using a counter clockwise rotation of the cone reservoir. Additionally you may find increased flow from the reservoir if you add small veins to the inside of the cone.

2. I would like to draw your attention to another

concept that utilizes the properties of a vortex. We will call this concept a "Vortex-turbine" and the following is a brief description.

A 200 ft. 12" pipe is lowered into a body of water. Attached to the lower end of the pipe is a 5 ft. diameter cone with a spiral series of air jets on its interior. Air under a pressure of 100 to 150 pounds per square inch is pumped to the cone via a separate 2" line. As the air is released from the jets a venturi effect is created. As the spiraling air rises and expands, it carries water with it. The described operation would produce a fountain of water rising approximately 50 ft. above the surface of the body of water.

The obvious disparity of energy required to pump air under pressure to a depth of 205 ft. as opposed that required to lift water 50 ft., is the source of our potential energy gain. The simplest method to harness this fountain of water is an in-line electrical turbine. Please note that the vortex of the raising water will increase the torque applied to the turbine. And the friction of the water against the pipe will cause the pipe to torque in the opposite direction.

3. Regardless of the practicality of the aforementioned concept, from my point of view as long as we continue to try to use motion of any kind to create energy, we are looking at the wrong side of the energy/work equation. (Of course we know that we can't "create" energy, all we can hope to do is to harness existing energy.) Without going into my theories of NON-RESISTANT PHYSICS, let me say that all energy, and I repeat ALL ENERGY, at its genesis is frequency. That is energy at its pure level is always frequency. Sun light, as all forms of radiation, is frequency. Heat energy which evaporates water is frequency. Sun light, that is the source of the stored energy we find in wood and coal is frequency.

Atomic energy (energy at atomic level as opposed to nuclear power) is frequency and some (myself among them) would argue that the very nature of matter is frequency. That nothing exists except frequency. This of course sounds more conventional if we substitute the word energy for frequency. But my point is that any discussion of energy that does not focus on frequency is looking at effect rather than cause. I would direct your thoughts to the handselling of energy from the sea of neutral energy in which we live. This neutral energy is the source of energy for permanent magnets and for the creation of all matter.

Best of luck to your on your Quest for knowledge and free energy.

Gary W. Tripp
Spokane, WA

Thanks for your viewpoint and input. Your info will no doubt be utilized by researchers in this field. My opinion is that the key to tapping the higher forms of

energy will come from motion, in particular rhythmic motion. That is how the *perpetuum mobile* of nature operates, rhythm is the carrier of life and free energy will be a living energy. We cannot rule out the possibility that the source of energy may have a rhythm of vast proportions so that one half cycle is beyond our lifespans. Then it would seem we are tapping steady state energy.

As to your comments that nothing exists except frequency: I see this is as an error of our modern consciousness, a resultant of the misdirected search for the smallest particle of matter. What would be more correct is to say that everything has a frequency. Light is not a frequency, but it has many measurable frequencies depending on its propagation characteristics. Seeing everything as frequency ignores the quite obvious qualities of warmth, light, love, etc. To say that everything is a frequency is like going along with the quite popular misconception derived from not being able to translate oriental concepts into occidental terms, that is the concept that this world is illusion, *maya*. What *maya* really indicates is not that this world is an illusion, but that the illusion is that the physical world appears the most real to our mode of mentation. This world is very real, the illusion being that we cannot see the higher, spiritual world interpenetrating this.

AN APPRECIATIVE READER

Thoroughly enjoying your current Mar/Apr 90 issue...especially the excellent in-depth history of Jim Murray's many years labor in developing his Dyna-Flux Generator. Tesla was one of the early century masters: rejected.

You fellas have sure transformed this bi-monthly periodical into good hard scientific reviews of leading-edge borderline subjects. I respect your screening of weirdo manuscripts, etc. by authors who often write to impress themselves within their own tight "self-admiration society."

In this context, I am a reader of Thomas Bearden's monthly Bulletins. Like you, I'm just not decided as to what to make of his claims about the Russian Phase-Conjugate-Weapons, etc. His paranoia (Nov 89) as to Gorbachev's implied submission finally to international "control" ...in stopping his own RAM radar experimental weaponry development... has a bit too much adrenaline behind it. But, I appreciate that this retired military officer is bent on being recognized eventually as a credible knowledgeable scientist to be listened to seriously by the establishment.

3. I agree that there are more serious systemic diseases in the mass-consciousness among nations on this planet. To be sure, Gorbachev (a Pisces) appears to be the right leader at the right time in Russia. He is a brilliant thinker and manipulator of power in gradually weeding out the fixed, old, minds who represent the Bolshevik mentality whose time has been overdue...to retire.

What the ultimate goal, and results, will be of Russia's dramatic changes will in part be determined by the planetary inner-governing control from really sick minds. The current Uranian/revolutionary changes throughout Europe represent a long overdue/breaking down of the power-structures that can no longer work on this planet... as we now move into the climatic Armageddon of the 1990's. The Light will eventually overcome the loyal-opposition, as mankind recognizes the truth that: war accomplishes nothing, as no one wins.

4. Please accept my enclosed publication/mailling-flyer on, "Why an Astrology-Counseling". Perhaps it would be beneficial to your readers, in any context excerpted as your wish, for the priority of: first "master thyself."

T. David Thompson
1902 Hubbard Drive
Alamogordo, New Mexico 88310

Thanks for your various comments on the last issue. We received quite a bit of interest on Jim Murray's article, and Jim indicated that he also received a lot of mail from it. I've put your address so that those who are interested in astrology may write you for your publication on astrology-counseling, and find out about your related services.

MATHISON ELECTROPSYCHOMETER

In the March-April Journal, Frank Kotell desired further information on the Mathison Electropsychometer, so here are some comments: The Electropsychometer was a sophisticated lie detector that Volney used to find 'hidden' mental pressures with. I used to visit Mathison in L.A. and recall that although he had great success with halting addictions & such, the medical fraternity gave him a very hard time. What he did in a nutshell, was to use his machine to pick up past problems. Once the block was found, he had an hour tape made up which would repeat an affirmation like "I now recognize that my desire for alcohol came from....experience and now I am losing my desire for all alcoholic beverages."

Whether the well known leader of 'Scientology' borrowed his auditing techniques from Volney or not, I could not say, but Hubbard almost duplicated the work of Volney. Since the Electropsychometers were bulky, expensive tube machines, I later got one of the Scientology 'E' meters as a replacement. Getting one without being a Scientologist is not easy, believe me. Today, the Work of Mathison is still valid because of the fact that you can make up your own tapes with his methodology. Any time you get any of the popular self help self hypno tapes done by others, it will lower your natural blocks against being hypnotized. Do it yourself, and your inner, subconscious components respond without this dangerous 'outer' influence.

With some Scientology 'E' meter background and a Voley M. "Sleep Tape" book, you can make up tapes to

get rid of all kinds of phobias & vices... for cheap...

I still have a Mathison machine in storage as a curiosity & if readers would like a Mathison "Sleep Tape Methodology" book I'll be glad to provide a reproduction at \$10 + \$2 postage.

Persons with addictions are often more easily helped by different forms of EXORCISM. Show me someone with violent behavior & 'Yo Yo' emotions & I'll show you someone who usually has an 'entity' attached to them. The techniques of running out such energy & emotion thieves is simple but seldom taught or used. (\$6 report.) Borderland people often get great results with electrical devices simply because the attached entities can't tolerate electricity running through the host body. I will sometimes simply lower down any AC house current to get results from very low level entities immune to the usual exorcism methods. What we have on this planet, is a situation where machines must be used for awhile to show we slow witted 'sapiens' what some of the mental potentials are. Each of us has the power potential of a nuclear device & the mental potentials of a room full of computers. Without exacting balance of our several mind components, the Soul will simply not allow us to use such potentials. The potential dangers are obvious."

Al Fry
HC 76, Box 2207
Garden Valley, ID 83622

As always Al, we're thankful for your informed input, and as usual we recommend that our members get your listing of available publications.

MANKIND RESEARCH UNLIMITED

Re: Oscar Brunler request from W. Edwards of Angers, France, page 28. A good current practitioner of Brunler's work and a possible source of his biometers is Rev. Carol Bell Knight, c/o Forum, P. O. Box 5915, Santa Fe, NM 87502.

Please list in your next issue a future announcement of an important event in 1991 as follows:

The Eighth International Conference on Psychotronic Research will be held in July 1991 at West Georgia College, Carrollton, Ga. The last Conference held there in Dec. 1988 brought together psychotronic scientists from all over the world. The next conference is expected to bring many scientists from the USSR and Eastern Europe. For further details contact the U.S. Branch of the International Association for Psychotronic Research (I.A.P.R.) at P.O. Box 8276, Silver Spring, Md. 20910. Phone (301) 587-8686.

Sincerely,
Carl Schleicher
Mankind Research Unlimited, Inc.
1315 Apple Ave
Silver Spring, Md. 20910

Thanks Carl. This is another group we urge our members to write to for more info. MRU supplies kirlian photography equipment, dycyanin goggles (aura goggles you will need to do some of the experiments in **COSMIC PULSE**), agricultural radionic equipment and related books and pamphlets.

MWO STORIES

Back in the early 70s my husband & I built a MWO unit and used it successfully on arthritis, etc. The most fascinating experiment with the unit involved the author of "RADIX", Bill Looney, during one of his visits with us. Bill was in contact with a force he called Light Beings, the subject of his book. I put him in the MWO and asked him to try to send a message to his Light Beings. I put a small neon lamp at his crown chakra. His energy would light the tube but nothing else happened. I asked him to try receiving a message from them and suddenly the tube would light in short & long flashes. I knew it was Morse code but couldn't take time to find a pen & paper to transcribe the message. Later that evening as we were having a wonderful discussion, Bill suddenly started talking very different and his aura turned a golden color and expanded about 4 ft from his body. The feeling of great love was so strong it was like honey. The message was impressive but I could not recall one word of it after it was all over. Bill was embarrassed at falling asleep while we were talking and apologized explaining his job had kept him from getting much sleep in several days. When I told him what had transpired, he refused to accept it. He did not like trance work or mediums and had never gone into trance! All his messages from his Light Beings had been while he was awake, could hear and sometimes see the Light Beings, could have a normal conversation and disagreed with them at times. He was very interesting but hesitant about telling any of his experiences and never discussed his book. He seemed embarrassed when someone would compliment his work. During this period of time I also had a copy of a book titled **Waves that Heal** with pictures & data on healing skin cancer.

Pat Brown

Odessa, TX 79769

Thanks for your fascinating borderland story. Quite interesting about the Morse Code being picked up by Bill Looney's body while in the field of the MWO. Mark Clement's **Waves That Heal** is available from Health Research, PO Box 70, Mokelumne Hill CA 95245

VISUAL UPGRADES?

"Have just received the Jan-Feb Journal and notice for payment for another year. Unfortunately I am not able to read the interesting articles that I like so much. I do try to get someone to read English and so try to absorb some information.

But I want to keep on being a member of your Foun-

ation. I was 80 years old last month, but I don't look it or feel it either. Except for my eyes I am fine. I feel that I will be able to overcome this lack of vision even though the medical men say there is no hope at all. I just know that I will be able to overcome this problem. Do you have any book or literature on overcoming this problem? Would appreciate any information.

Lucille Woronoff, Portugal

Can any of our members send in some info that may help Lucille? Send it to BSRF HQ and we'll forward it to Portugal. Thanks...

DROWN INSTRUMENTS

I have been studying your book, Drown Radio-Vision and Homo-Vibra Ray Instruments, and we do have the Drown Homo-Vibra Ray Diagnostic Instrument. We would like to incorporate the apparatus for obtaining photographic records into our machine. Could you help us put the values to the coils, diode, capacitors and tube on page 14? Any help would be greatly appreciated.

J.H., Caddo, OK

The schematic on page 14 of the Drown Radio-Vision and Homo-Vibra Ray Instruments is from the British Patent for Drown's Radio-Vision Instrument. We don't have any available values or we would have put them in the book. I would suggest experimenting with various components, as Hieronymus' research showed that it was not the actual values that are important in these types of instruments, but it is the pattern of the components. Perhaps some of our associate researchers can supply us with the needed values and related information to help you. We'll print the answers in this column should they appear. I myself would like to have specifics on Drown's Radio-Vision Instrument. It is an instrument for the future!

PAVLITA'S GENERATORS

I would be curious to know if any piece of equipment has been developed that can duplicate any of the results achieved by Robert Pavlita of Czechoslovakia who, in the mid-70s acquired a great deal of attention after his mention in Ostrander and Schroeder's **Psychic Discoveries Behind the Iron Curtain**.

A. Rousseau

Auckland, New Zealand

The book **THE PSIONIC GENERATOR PATTERN BOOK** by John P. Boyle, ISBN 0-13-736975-1, Prentice Hall, 1975, contained a number of simple-to-construct paper psychotronic generators. I built many of them in the early 80s and found that they definitely reacted to concentration. I was able to get one to spin in one direction and its neighbor to spin in the other. Now, after reading **COSMIC PULSE OF LIFE** and **MAN OR MATTER** I know of the visual ray that proceeds from the eye. This visual ray reacts on physical matter and may be the *modus*

operandi of some of these psychotronic machines. Hopefully our members can supply a bit more info.

WIRELESS TELEPHONE

Do you have any info regarding the wireless telephone of inventor Nathan Stubblefield (Calloway County, Kentucky) circa 1902?
B.B., Lexington, KY

Not yet, but if anybody sends it in we'll put it where you can find it. A lost invention needing to be found!

VORTEXIAN TAPES

Would appreciate knowing if video or cassette tapes are available for the Implosion Workshops you have sponsored with Energy Unlimited.

While reading some of your recent articles, the grey cells took off on a dreamy tangent trying to picture other BSRF Associates. The following word picture materialized:

BSRF Associate. Inquisitive, inventive, industrious and illumined, individual who has incurred an incurable desire to investigate the immutable, impersonal but imbedded laws of the infinite.

Ed Chesley
Gresham, Oregon

Yes, I think that BSRF associates are all of the above. Thanks for your insights. Video and audio tapes of the Vortexian Mechanics and Implosion Workshops are available from Energy Unlimited, PO Box 493, Magdalena, NM 87825-0493, (505) 854-2634. EU also publishes an excellent newsletter on implosion and vortex work titled CAUSES. \$40/year US, \$45 Canada & Mexico, \$55 foreign airmail.

RECEIVED

This is a list of materials received for review. BSRF members who would like to do longer reviews of these can contact BSRF for more information.

* **THE GALILEO OF THE MICROSCOPE** -- *The Life and Trials of Gaston Naessens* by Christopher Bird. A new book, just in and hot off the press. A full review will be forthcoming, but we wanted to get mention in this issue. Gaston Naessens has developed an incredible microscope that has the same capabilities of Royal Rife's famous Universal Microscope, that is it can be used to see microscopic organisms in organic tissue *in vivo*. Naessens discovered, in the blood of animals and humans a new sub-cellular form he calls a somatid (tiny body). These somatids are pleomorphic, that is they change from one state to the other (as Rife indicated in his researches). The life stages of the somatid are traced to various degenerate diseases such as cancer and AIDS. Naessens has developed a cure for cancer based on his research, termed 714-X. He just won a major trial earlier this year in Quebec. Christopher Bird (who speaks fluent French) attended the trial which is a major victory for the freedom to consider

alternative treatments. This looks like an excellent book and I think we're going to hear a lot more about the work of Gaston Naessens. Thanks to Chris Bird for telling this story. The book (ISBN 2-921138-02-6) is published by Les Presses de l'Universite de la Personne Inc., 2 Desaulniers Blvd., St. Lambert, Quebec, Canada J4P 1L2. Price unknown, we'll keep you posted in these pages on price and availability.

* **MY ELECTROMAGNETIC SPHERICAL THEORY AND MY EXPERIMENTS TO PROVE IT** by Larry Spring, 225 Redwood Ave., Fort Bragg, CA 95437. "40 Years Analysis of Radio, TV and Satellite Antennas. Personal Observations, Experiments and Theories of the Electromagnetic Spectrum from DC, to 60 Cycle, to Light." Larry came by BSRF HQ recently and showed me several hours of experiments to back up his discovery that he could measure the size and shape of energy units! He left me with a 4GHz ping pong ball, the size of the sphere being directly related to the 1/2 wave length. There are lines of latitude drawn on the ball, representing lines of force. These were demonstrated in polarization experiments. I must say that Larry left me a believer, and I recommended that he present his work at the International Tesla Symposium in Colorado Springs this summer. He also left me with two other books: **ELECTROMAGNETIC HEAT**, and **THE ELECTROMAGNETIC SEA IN WHICH WE LIVE** by Larry Spring. There is no price on the books, only small quantities have been produced for seriously interested researchers. Contact Larry for more info on his original researches.

* **OXYBLISS** - an organic mineral supplement specially formulated to release oxygen into the body. Dr. Norman McVea sent us a bottle of Oxybliss to check out, as part of his continuing research into the effects of oxygen on the human body. Oxybliss is a colloidal silicate with an oxygen carrier (possibly magnesium peroxide?), and also contains trace minerals and cell salts. It is mixed in water as a drink and then a shot of lemon juice is taken to release the oxygen. I took Oxybliss for about a week and found that it flushed my colon and generally toned my system, as the literature said it would. I could feel the oxygen coursing through my veins. It didn't make me ill like hydrogen peroxide (which to me tastes so horrible I'd rather be sick!), and it had more of an oxygen feel in the system than other oxygenators that I've tried. Definitely an interesting product -- could it be the next best thing to breathing? At the rate Norman & partner Monika work they've probably amassed much more research data on oxygen and how to get it into the system. Write for latest info to Dr. Norman McVea, 20 Sunnyside Ave #A-164, Mill Valley CA 94941, (415) 868-9050.

* **MAN OF THE TREES** -- *The Life of Richard St. Barbe Baker*. Baker spent most of his 92 years working to preserve the world's forests. He grew up in a large tree

nursery and dedicated his life to the growing plant, not only physically, but with a spiritual vision of making the world green. He saw the world dying and did his best to help. I think that anyone who sees this video would have to agree. We see Baker in ancient, threatened forests in Africa, New Zealand and America. The beautiful scenes of life are marred by cut-ins of giant 2000 year old trees being felled. This is an excellent video to have around, to show friends and groups -- it really gets to the point in a moving way. Also, \$1 from each video sold is donated to **Children For Old Growth**, a non-profit organization dedicated to "Saving Ancient Forests For The Future." Box 1090, Redway CA 95560. The video is published by Music For Little People, PO Box 1460, Redway CA 95560. Write for current catalog which also includes many stimulating toys, books and musical instruments for children, and ask for their "Earth Beat" catalog as well.

* **TRANSITIONS 2**, Music to Help Baby Sleep "is the second in a series of recordings developed by a physician to help infants sleep and relieve the stress of childbirth for both mother and baby." Found to increase blood oxygen levels! This one came in on compact disc so we haven't heard it yet, but wanted to pass the info on. Available from Placenta Music, 2675 Acorn Ave NE, Atlanta, Georgia 30305, (800) 862-7232.

* **San Francisco Tesla Society News**, from the SFTS, 700 Earl St., San Francisco CA 94102, (415) 641-9704. Short articles and meeting minutes of this local chapter of the International Tesla Society. The ITS has chapters starting around the country. Contact them for info on your location.

* **raum & zeit -- A New Dimension in Scientific Research**. This is the English language version of a very progressive European publication. It covers a wide variety of information from energy research to alternative therapies. Glad to see that they have published Peter Duesberg's info that AIDS is not a virus! Subscriptions are \$59/year/six issues. Overseas \$75/surface, \$100/air. From Chrystyne Jackson, PO Box 1508, Mt. Vernon WA 98273. (206) 424-6034

* **FUTURE TECHNOLOGY INTELLIGENCE REPORT**. This monthly newsletter is devoted to technological predictions and does a good job of keeping track of the energy research "underground" around the world, edited by Antony Sutton. Recent articles have covered electro acupuncture; cancer-electromagnetic radiation hazards; a review of US energy policy; reports on non-traditional researches from around the world on solid state, unipolar, permanent magnet, vortexian and related "free energy" systems. This new newsletter is off to a running start. Subscription rates are \$250/year. BSRF members who mention this write-up can have it for \$125/year if they respond by August 1, 1990. From FTIR, 537 Jones St, #1606, San Francisco, CA 94102.

* **The MUTABLE DILEMMA**, an astrology magazine published quarterly by the LA Community Church of Religious Science. Zipporah Dobyns continues her fascinating research into the importance of asteroids in astrology. Zip goes behind the news stories to examine the horoscopes of world leaders, their countries and the planetary aspects influencing events. In recent issues she checks out the charts of well know psychics Debra Lynch and Jeanne Dixon, as well as inside info on famous folks including Joan Quigly, Nancy Reagan's famous "good day -- bad day" astrologer. Also included are some good solid articles by Martha Pottenger including practical info on the outer planets the quincunx & chart synthesis. Donation for subs are \$12/year (US), \$16 foreign surface, \$22 overseas airmail, from LA-CCRS, 5953 W. 86th Pl., Los Angeles, CA 90045.

* **MARTIAL ARTS OF CHINA** is an excellent new magazine on internal arts from China. Published by China Direct Publishing Inc, PO Box 31578, San Francisco CA 94131. The articles are to help the student with practical exercises and suggestions. Looks quite interesting.

* **THE PROBLEM OF INCREASING HUMAN ENERGY WITH SPECIAL REFERENCE TO THE HARNESSING OF THE SUN'S ENERGY** by Nikola Tesla, (ISBN 1-882137-00-0) volume I of the Tesla Technology Series, published by High Energy Enterprises, PO Box 5636, Security CO 80931. Write for free catalog

* **A WORLD WITHOUT WALLS -- The Story of a Virginia Psychic** by Jerry Sabran. From the bookjacket "Jerry Sabran is a psychic. She never sought to become one. In fact, when first confronted by her special powers as a child, she tried to deny them, afraid of what they might portend. **World without Walls** tells how Jerry not only came to terms with her abilities but learned how to use them to assist others and herself lead the happiest lives possible. In this book she not only tells her story, but offers suggestions as to how to utilize psychic powers to make life more fulfilling." ISBN 0-533-08514-4, from Vantage Press, 516 W 34 Street, New York, NY 10001

CONTACTS

This is the section where researchers may contact those of like mind or seek out sources of information. We also list various mailers received. Please be kind and considerate and send a buck or two when writing for information.

* **NEXUS New Time Magazine**, PO Box 51, Bowraville 2449, Australia. An exciting magazine from "down under" (or "up over" -- depending on perspective) covering the alternative scene. We exchange publications with them and always enjoy the diverse articles in each issue. One year: Australia & New Zealand - \$12; Overseas surface - \$20, O'seas airmail - \$28.

* **EmPower Place** -- Total Environment Center. The EmPower Place™ is a sight and sound-proof, dry flotation environment which counteracts extreme low-frequency (ELF), electro-magnetic pollution, creating a quiet, comfortable and safe space. Incorporates the leading edge of sight- and soundproofing technology with EM blocking capabilities. Enhances creativity, Reduces Stress, Accelerates healing, assists problem solving. For information or appointment please call: Inner Search, 11 Sturdivant Ave, San Anselmo, CA 94960, (415) 454-3797.

* **THE INTERNATIONAL ASSOCIATION FOR NEAR-DEATH STUDIES**, PO Box 7767, Philadelphia PA 19101-7767. Their goal is "to enrich our understanding of the nature and scope of human consciousness and its relationship to the life and death process." Memberships are available.

* **The Healing Tao Center**, PO Box 1194, Huntington NY 11743, (516) 367-2701. This group disseminates the practical teachings of Mantak Chia. The vital energy of the body can be controlled and directed for optimum health and growth of consciousness. Write for a catalog of their many books and tapes. They are also sponsoring The International Healing Tao Thailand Winter Retreat, Jan 13, through Feb 2, 1991 with Mantak and Maneewan Chia.

* **PEGASUS TAPES**, PO Box 419, Santa Ysabel, CA 92070. Quality cassette recordings on astrological, psychological, and mythological themes, featuring many of astrology's top researchers.

* **THE UNCLASSIFIED RESIDUUM** "Round about the accredited and orderly facts of every science there ever floats a sort of dust-cloud of exceptional observations, of occurrences minute and irregular and seldom met with, which it always proves more easy to ignore than to attend to... anyone will renovate his science who will steadily look after the irregular phenomena. And when the science is renewed, its new formulas often have more of the voice of the exceptions in them than of what were supposed to be the rules." William James. William Corliss has compiled an extensive unclassified residuum in his many books on scientific anomalies. Very sober and non-sensationalistic these books are an important addition to any future scientists library. Corliss also publishes the Science Frontiers newsletter, issued bimonthly - \$5/year or free to regular customers. For current ordering information contact The Sourcebook Project, PO Box 107, Glen Arm, MD 21057. The finest source of anomalous data available to the modern day researcher.

* **THE UFO EXPERIENCE**, a conference to feature investigators and abductees, October 13-14, 1990, Holiday Inn, North Haven Connecticut. speakers include Apollo astronaut Brian O'Leary, Travis Walton, Ed Walter (of Gulf Breeze fame), Stanton Friedman, Jacques Vallee, Paul Devereux, Ann Druffel, Antonio Hunees, Gene Phil-

lips (Ancient Astronaut Society), and more. Contact John White, 60 Pound Ridge Road, Cheshire CT 06410.

* **RIFE AND ELF THERAPEUTIC FREQUENCIES** from Lowell K. Pope, Alphatronics Inc., 1454 Azalea Ave, McKinleyville CA 95521, (707) 839-1941. Complete listings of over 500 disorders and their therapeutic frequencies. All frequencies given at 4-5 volts square wave. Also, from Germany, listing of over 65 disorders, and their treatment frequencies with ELF (1-10 Hz). Information re: How to build, or where to buy instruments and protocol for use. THIS IS FOR RESEARCH PURPOSES ONLY, NO MEDICAL CLAIMS ARE MADE OR IMPLIED.

* **Seven Continent Dowzers Convention**, June 21 (dowsing school), 22-24, 1990. Speakers on many subjects, from Dowsing to Huna at the Holidome in Matteson, Illinois (Chicago area). Should be an excellent get-together. For more info contact John Van Drie, Box 192, Lansing IL 60438, (708) 474-3208.

* **WORLD HEALTH CONGRESS**, Marriott Hotel, Los Angeles, CA, October 5-7, 1990. Will include presentations on a newsuper-microscope from Germany which has "produced live video pictures of pleomorphic activities in the blood, helped identify what appears to be three AIDS viruses, shown the ongoing conversion of healthy cells into cancerous conditions, and revealed a multitude of organisms existing prior to the onset of visible signs of cancer."; Baubiologie, French objectification of acupuncture meridians; electromagnetic therapies; and more. For more info contact World Research Foundation, 15300 Ventura Blvd #405, Sherman Oaks, CA 91403 (818) 907-5483

* **The Fifth Annual Conference of the American Polarity Therapy Association**, Murrieta Hot Springs, California, Aug. 9-13, 1990. Contact APTA Conference 39690 Wildflower Dr., Murrieta, CA 92362 or call (714) 677-9530.

* **GLOBAL SCIENCES CONGRESS**, Denver, Colorado, August 15-20, 1990. List of speakers covers many subjects and includes Eustice Mullins, Beryl Payne, Steve Halpern, Frank Stranges, Chief Two Trees, Dr. Norm Shealy MD (TENS pioneer), and more. For more info contact: Dean Stonier, 3273 E 119th Pl. Thornton, CO 80233, (303) 452-9300, fax (303) 457-8269.

* **ALPHA OMEGA CASSETTE ENTERPRISES** provides a catalog of higher consciousness and mind expanding audio cassettes available to rent and also does on-site conference recording, cassette duplication and professional packaging. 516 S. Oak Knoll Ave. #5, Pasadena CA 91101, (800) 726-6618.

* **Ann Wigmore Foundation**, 196 Commonwealth Ave., Boston, Massachusetts, 02116-2503, (617) 267-9424. Ann Wigmore is the founder of the Hippocrates Health Institute and has been working for over 40 years in educating people as to the value of enzymes and live cell therapy. She

has "seen thousands of individuals overcome every disease imaginable: cancer, hypoglycemia, heart problems, diabetes and AIDS are just a few." There are living food associations in India, Finland, Sweden, Norway, Canada, Switzerland, Taiwan, Australia, and a new center has been opened in Puerto Rico. Write for more information on this work.

* **ENVIRONMENTAL CONCERNS**, 9051-E Mill Station Rd, Sebastopol CA 95472. A catalog of products for a safer, cleaner world, including recycled paper products, biodegradable food containers, water and air purifiers, books, and non-toxic home products such as paints, stains, thinners, adhesives, children's art supplies, and more! Great ideas in this catalog.

* **1990 INTERNATIONAL TESLA SYMPOSIUM**, July 26-29, 1990, Hilton Inn, Colorado Springs, CO. Always an excellent get-together of researchers, theoreticians and just plain old Tesla fans. For more info contact the International Tesla Society, 330-A West Uintah St, #215, Colorado Springs, CO 80905-1095. The ITS also publishes **POWER AND RESONANCE**, the quarterly journal of the ITS.

* **The American Academy of Biological Dentistry** presents: **NEURAL THERAPY** -- A Method of Diagnosis and Regulation Therapy, A Key to the Understanding of Man's Illnesses, with Franz Hopfer, MD, DDS, June 22-25, 1990,

Carmel Mission Inn, Carmel CA. For more info contact the AABD, PO Box 856, Carmel Valley, CA 93924, (408) 659-5385 or (209) 838-3522.

* **THE METANOIA GROUP** -- *Curative Approaches to Building Ecology and Healing Environments*. Consultation services include: Principles of Organic Architecture; Water Regeneration / Flow Forms; Vortex Implosion Technology; Regenerative Environmental Engineering; Anthroposophical Medicine; Healing Lifestyle Changes. Contact: Karl Maret, M.D., M.Eng., 3089-C Clairemont Drive, Suite 322, San Diego CA 92117, (619) 692-4352, FAX (619) 275-2112.

* **THE RUDOLF STEINER RESEARCH FOUNDATION** provides on cassette tape the spiritual and scientific lectures of Rudolf Steiner, translated from the German by Rick Mansell. Steiner spoke on such a diversity of subjects that there is truly something here for everyone. Their catalog lists over 1,500 tapes which includes lectures by erudite thinkers in related subjects. There is quite a bit of excellent information available from this group including Dr. Steiner's three scientific courses, Light, Warmth & Astronomy. The Astronomy Course has been transcribed on to paper by Fred Mathews and is being published to go along with the tapes for that course. Basic cost of tapes is \$7 each. Contact: Rudolf Steiner Research Foundation, PO Box 1760, Redondo Beach, CA 90278. (213) 372-1101.

BSRF 1989 FINANCIAL REPORT

<u>INCOME</u>	<u>AMOUNT</u>	<u>OPERATING EXPENSES</u>	<u>AMOUNT</u>
SALES-BOOKS	\$ 52,603.86	WAGES-OTHER	\$ 8,760.77
COMMISSIONS	600.00	MANAGEMENT FEE	4,254.00
DONATIONS	6,332.87	PAYROLL TAXES	2,007.87
SALES-EQUIPMENT	5,303.22	INSURANCE	2,165.81
SALES - VIDEOS	7,030.17	SUPPLIES-OFFICE	7,000.30
MEMBERSHIP DUES	17,596.85	ADVERTISING	963.00
OTHER INCOME	11,653.35	TRAVEL	2,184.49
FREIGHT-REIMBURSED	5,592.43	TELEPHONE	2,934.03
		UTILITIES	2,652.65
TOTAL INCOME	\$ 106,712.75	RENT	9000.00
		LEGAL & ACCOUNTING	267.40
<u>COST OF SALES</u>		DEPRECIATION	3,026.00
PURCHASES-BOOKS	\$ 27,204.51	MISC. OFFICE EXP.	476.47
PURCHASES-EQUIPMENT	3,315.18	PRINTING	5,619.50
PURCHASES-R&D	450.13	POSTAGE	11,707.21
PURCHASES-VIDEO	1,601.25	AUTO-FUEL, TIRES	1,352.00
		REPAIRS	1,417.80
TOTAL COST OF SALES	32,571.07	DUES & SUBSCRIPTIONS	1,338.41
		FEDERAL INCOME TAX	1,021.00
GROSS PROFIT	74,141.68	TOTAL OPERATING EXPENSES	\$ 68,148.71
		NET INCOME	\$ 5,992.97



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TWO KINDS OF MOTION by Noel Huntley, Ph.D.

Probably the most misunderstood items or entities of scientific formulation are force, momentum, and inertia; also gravity, which is not completely separate from the same confusion.¹ These errors, or wrong assumptions, are not just made by the academics but also the New-Age pioneers and investigators generally. It is vitally important, particularly to the New-Age thinkers and free-energy device inventors that a certain concept is understood; one which requires more unlearning than learning and the removal of prejudiced perception. This concept is the basis or the recognition that there are two kinds of motion,² and also two kinds of equilibrium.

Our present civilization only recognizes the Newtonian motion. The application of force to a body causes motion which is dependent on the magnitude of the force and the mass of the body (assuming no constraints). This force either acts on the surface (2D) or may penetrate somewhat (3D) in the case of fields, resulting in motion. Thus the force is a 2D-3D interaction. Orthodox scientists consider that the motion of the celestial bodies of the universe such as a planet orbiting the sun are balanced by this means. If this were the case, that is, gravitational forces balanced by centrifugal, the universe would immediately fall apart. It is time man divested himself of these childish concepts (Einstein's gravitational curvature is still interpreted by Newton's laws).

The universe operates on the second kind of motion which is infinitely (literally) more superior. The reason why there are two types of motion is because the third dimension can be approached on either side — that is, 2D or 4D. The Newtonian force is 2D-3D and invokes reaction, inertia and mass, whereas the other mode is due to a 4D-3D interaction and is not a force but is action (4D). Gravity is action and is dimensionally incompatible with the inertial force (2D-3D); there is no "principle of equivalence" of relativity.³

Such entities as momentum and inertia are not basic, and one cannot talk about the ether as containing momentum; this is like asking the general store keeper if the pans cook good food. Momentum and inertia are contextual; they are dependent on the type of interaction.⁴ There are no forces acting on a falling body. However, if the body is arrested in any way, immediately a condition of

polarity is created within the body from which it attempts to recover by seeking equilibrium, and this causes the phenomenon of inertia and momentum. There is not the space to cover this in detail but briefly the falling body's atoms are in phase with — attuned to — nodes of spacetime. These nodes are like particles in 3D but are centers of 4D oscillations intersecting our 3D matrix — this is what space is made up of. These nodes move under gravity and "carry" the body with them in a weightless condition.⁵ In other words, the spacetime is moving within the body.

This is the infinitely superior method of creating motion. If the nodes move in any other direction, even sudden changes, the body follows in a weightless, no-inertia state (in that direction). In effect, space is curved — the body cannot do anything else but follow the space. This is how all free bodies move in the universe.

Although we cannot discuss this here it is also part of the mechanism of mobility of organisms — the musculature is only a 3D expression and can be superseded by evolution of quantum fields (up to 3D to 4D gradient) which act holistically. Furthermore, it is also the principle of how a plant grows.⁶ This we are talking about something completely fundamental to all aspects of life.

Free energy devices work on the second, more advanced kind of motion, involving the 4D-3D interface. In general, a generator which is, say, just a few hundred percent efficient is operating on both types of motion. The ratio of the two, that is, action:force (the proportion of the system which utilizes each) indicated the efficiency. If force is zero, then efficiency is infinite, and no 3D input is required such as from batteries.

Force is an effect and results from out-of-phase energies; action is based on correlated energies in time. Everything starts with action (energy x time) but when a collision occurs, (surface contact) a boundary is encountered causing the body's energies go out of phase with spacetime and force then manifests (we think the force stopped the motion). The collision severs the body's oneness with the universe, separating it from space and time. Action is a condition of wholeness of the body with spacetime. The collision (2D-3D interaction) reduces action (energy x time) by differentiation with respect to time (like chopping up the energy in

time), making time, the 4th dimension, of infinitesimally small units resulting in (3D) energy of which force is now required to express it (force over distance measure energy); it is now in an out-of-phase condition. Force is not required to express action.

One may have a highly energetic harmonic system of action. Orthodox scientific measurements would detect no energy. Einstein's equation $E = mc^2$ would not apply since there is no force, no inertia and therefore no mass (as defined in science). In such a perfect system there is no kinetic energy and no potential energy! Nothing in the system has a tendency to do anything else.

Science has a blind spot on systems which are in true and holistic equilibrium, that is, a state which is not in 3D equilibrium — instabilities within stabilities, involving kinetic energy and potential energy. There are thus two types of equilibrium, 1. holistic (4D), and 2. balanced (3D). The former is a property of the 4D-3D motion, and the latter, the Newtonian 2D-3D motion.

The new technology will incorporate fully the superior methods of creating motion, resulting in unlimited free energy and inertialess spacecraft with propulsion systems producing velocities well beyond that of light.⁷

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